LIST OF JOURNAL ARTICLES PUBLISHED FROM 2020 to 2024

2020									
Sl. No.	**Title of paper**	**Name of the author/s**	**Department**	**Name of Journal**	**Year of publication**	**Volume and Page number**	**DOI link**	**Scopus /SCI/ WOS**	**Quartile (As per SCImago)**
1.	"Facile green synthesis of boroncarbonitride using orange peel; its application in high-performance supercapacitors and detection of levodopa in real samples."	Raghu, M. S., L. Parashuram, K. Yogesh Kumar, B. P. Prasanna, Srilatha Rao, Prakash Krishnaiah, K. N. Prashanth, CB Pradeep Kumar, and H. Alrobei.	Chemistry	Materials Today Communications	2020	24 (2020): 101033.	https://doi.org/10.1016/j.mtcomm.2020.101033	SCI	Q1
2.	"MoS2–Calix [4] arene Catalyzed Synthesis and Molecular Docking Study of 2, 4, 5-Trisubstituted Imidazoles As Potent Inhibitors of Mycobacterium tuberculosis."	Raghu, Madihalli S., Chikkur B. Pradeep Kumar, Kodalapura N. Nagendra Prasad, Maralekere K. Prashanth, Yogesh K. Kumarswamy, Sunkara Chandrasekhar, and Bantal Veeresh.	Chemistry	ACS Combinatorial Science	2020	22, no. 10 (2020): 509-518.	10.1021/acscombsci.0c00038	SCI	Q1
3.	"Fluorine substituted thiomethyl pyrimidine derivatives as efficient inhibitors for mild steel corrosion in hydrochloric acid solution: Thermodynamic, electrochemical and DFT studies."	Kumar, CB Pradeep, K. N. Mohana, M. S. Raghu, M. B. Jagadeesha, M. K. Prashanth, and N. K. Lokanath.	Chemistry	Journal of Molecular Liquids	2020	311 (2020): 113311.	https://doi.org/10.1016/j.molliq.2020.113311	SCI	Q1
4.	"Protection of mild steel corrosion by three new quinazoline derivatives: experimental and DFT studies."	Kumar, CB Pradeep, M. K. Prashanth, K. N. Mohana, M. B. Jagadeesha, M. S. Raghu, N. K. Lokanath, and K. Yogesh Kumar.	Chemistry	Surfaces and Interfaces	2020	18 (2020): 100446.	https://doi.org/10.1016/j.surfin.2020.100446	SCI	Q1
5.	Oral Malignancy Detection Using Color Features from Digital True Color Images	Nanditha B R, Geetha Kiran A, Chandrashekar H S, Dinesh M.S,Murali S	CSE	International Journal of Online and Biomedical Engineering (iJOE)	2020	Vol. 16, Issue: 14, pp. 95–106.	https://doi.org/10.3991/ijoe.v16i14.17429	SCI	Q2
6.	Highly sensitive photonic crystal based biosensor for Bacillus cereus	SS Ajey, HR Bhanumathi, PC Srikanth, Preeta Sharan	ECE	International Journal of Information Technology	2020	12, 1393-1402	https://doi.org/10.1007/s41870-020-00507-8	Scopus	Q2
7.	Reduction of Mislead Power and Mismatch Power Loss under Partial Shading Conditions using Novel Square Matrix Shade Dispersion Technique	S. Rajanna, Manjunath, H. N. Suresh	EEE	Solar Energy	2020	vol. 207, pp. 1364-1383	https://doi.org/10.1016/j.solener.2020.07.036	Scopus /SCI/ WOS	Q1
8.	Effect of different batteries and diesel generator on the performance of a stand-alone hybrid renewable energy system	M. Ramesh	EEE	Energy Sources Part A: Recovery Utilization, and Environmental Effects	2020	46(1), 7983–8005	https://doi.org/10.1080/15567036.2020.1763520	SCI	Q3
9.	Interaction of Al2O3-Ag and Al2O3-Cu hybrid nanoparticles with water on convectively heated moving material	G.K. Ramesh, **G.S. Roopa,** Sabir Ali. Shehzad, S.U. Khan	Mathematics	Multidiscipline Modeling in Materials and Structures	2020	Vol. 16(6), Pp. 1651-1667	https://doi.org/10.1108/MMMS-11-2019-0191	Scopus /SCI/ WOS	Q3
10.	Thermal and entropy generation of non-Newtonian magneto-Carreau fluid flow in microchannel	SA Shehzad, Macha Madhu, NS Shashikumar, BJ Gireesha, B Mahanthesh	Mathematics	Journal of Thermal Analysis and Calorimetry	2020	143 and 2717–2727	https://doi.org/10.1007/s10973-020-09706-8	Scopus /SCI/ WOS	Q1

11.	Performance of second law in Carreau fluid flow by an inclined microchannel with radiative heated convective condition	acha Madhu, B Mahanthesh, NS Shashikumar, SA Shehzad, SU Khan, BJ Gireesha	Mathematics	International Communications in Heat and Mass Transfer	2020	117 and 104761	https://doi.org/10.1016/j.icheatmasstransfer.2020.10476	Scopus /SCI/ WOS	Q1
12.	Impact of nonlinear thermal radiation on magnetohydrodynamic three dimensional boundary layer flow of Jeffrey nanofluid over a nonlinearly permeable stretching sheet	BJ Gireesha, M Umeshaiah, BC Prasannakumara, **NS Shashikumar**, M Archana	Mathematics	Physica A: Statistical Mechanics and its Applications	2020	549 and 124051	https://doi.org/10.1016/j.physa.2019.124051	Scopus /SCI/ WOS	Q1
13.	Finite element analysis of micropolar nanofluid flow through an inclined microchannel with thermal radiation	NS Shashikumar, Madhu Macha, BJ Gireesha, Naikoti Kishan	Mathematics	Multidiscipline Modeling in Materials and Structures	2020	16(6) and1521-1538	https://doi.org/10.1108/MMMS-11-2019-0198	Scopus /SCI/ WOS	Q2
14.	Magnetohydrodynamic flow of dusty fluid over Riga plate with deforming isothermal surfaces with convective boundary condition	BC Prasannakumara, NS Shashikumar, Gosikere Kenchappa Ramesh	Mathematics	Songklanakarin Journal of Science and Technology	2020	42(3) and 487-495.	https://www.thaiscience.info/Journals/Article/SONG/10992975.pdf	Scopus	Q3
15.	A novel approach for development of printed circuit board from biofiber based composites	Bharath KN, Madhu P, Gowda TG, Verma A, Sanjay MR, Siengchin S.	Mechanical Engineering	Polymer Composites	2020	41(11):4550-4558	https://doi.org/10.1002/pc.25732	SCIE	Q1
16.	Alkaline effect on characterization of discarded waste of Moringa oleifera fiber as a potential eco-friendly reinforcement for biocomposites	Bharath KN, Madhu P, Gowda TY, Sanjay MR, Kushvaha V, Siengchin S	Mechanical Engineering	Journal of Polymers and the Environment	2020	28, 2823-2836	https://doi.org/10.1007/s10924-020-01818-4	SCIE	Q1
17.	Preparation and characterization of new hybrid polymer composites from Phoenix pusilla fibers/E,Äêglass/carbon fabrics on potential engineering applications: Effect of stacking sequence	Madhu P, M. Rangappa S, Khan A, Al,ÄêZahrani SA, Al Otaibi A, Shivanna P, Moure MM, Siengchin S	Mechanical Engineering	Polymer Composites	2020	41(11):4572-4582	https://doi.org/10.1002/pc.25734	SCIE	Q1
18.	Performance characteristics of journal bearings (porous type): A coupled solution using Hartmann number and roughness parameter. Proceedings of the Institution of Mechanical Engineers	Kalavathi, G. K., Najar, F. A., &Vasundhara, M. G.	Mechanical Engineering	Part J: Journal of Engineering Tribology	2020	Vol. 234(5) 668,Äì675	10.1177/1350650119886709.	scopus /SCI/ WOs	(Q2)
19.	Experimental investigation on the mechanical and morphological behavior of Prosopis juliflora bark fibers/E,Äêglass/carbon fabrics reinforced hybrid polymeric composites for structural applications	Madhu P, Mavinkere Rangappa S, Khan A, Al Otaibi A, Al,ÄêZahrani SA, Pradeep S, Gupta MK, Boonyasopon P, Siengchin S	Mechanical Engineering	Polymer Composites	2020	41(12):4983-4993	https://doi.org/10.1002/pc.25768	SCIE	Q1
20.	A new study on effect of various chemical treatments on Agave Americana fiber for composite reinforcement: Physico-chemical, thermal, mechanical and morphological properties	Madhu P, Sanjay MR, Jawaid M, Siengchin S, Khan A, Pruncu CI	Mechanical Engineering	Polymer Testing	2020	85 and 106437	https://doi.org/10.1016/j.polymertesting.2020.106437	SCIE	Q1
21.	Studies on Tribological and Metal Forming Performance of Vegetable Oil-Based Lubricants	TP Jeevan, SR Jayaram	Mechanical Engineering	Springer Lecture Note	2020		https://doi.org/10.1007/978-981-15-1307-7_29	Scopus	
22.	Effect of sodium thiosulphate doping on growth, optical, thermal mechanical, dielectric, electrical and nonlinear optical properties of potassium hydrogen phthalate crystal	B C Hemaraju and A. P. Gnana Prakash	Physics	Chemical Data Collections	2020	30, 100572.	https://doi.org/10.1016/j.cdc.2020.100572	Scopus /WOS	Q3
23.	Growth and impedance analysis of pure TGAc and dye doped TGAc crystals-enhanced dielectric permittivity for energy-storage devices	P R Deepthi, A Sukhdev, P M Kumar, J Shanthi, and B C Hemaraju	Physics	SN Applied Sciences	2020	2, 1–12	https://doi.org/10.1007/s42452-020-03295-9	Scopus	Q2
24.	Crystal structure, Hirshfeld surfaces, Topology, Energy frameworks and Dielectric studies of 1-(2-chlorophenyl)-3,3-bis(methylthio)prop-2-en-1-one	S Madan Kumar, B C Hemaraju, S M Anil, Manjunatha N K, S Thammannagowda M, N K Lokanath,	Physics	Zeitschrift für Kristallographie-	2020	235(3), 85-93	https://doi.org/10.1515/zkri-2019-0065	Scopus	Q1

		Mohammed Al-Ghorbani, Nabil Al-Zaqri and Ali Alsalme		Crystalline Materials					
25.	Magnetoelastic Transition in Energy Efficient Magnetic Refrigerant Ni50Mn32Sn18 Heusler Alloy, Advances in Sustainability Science and Technology,	A. A. Prasanna	Physics	Advances in Sustainability Science and Technology, Springer Nature,	2020	May 2021 In book: Innovations in Sustainable Energy and Technology, Proceedings of ISET 2020 (pp.155-160)	https://www.researchgate.net/publication/351565655_Magnetoelastic_Transition_in_Energy_Efficient_Magnetic_Refrigerant_Ni50Mn32Sn18_Heusler_Alloy	Scopus	Q3
26.	Martensitic transformation behavior and structural characteristics of annealed Ni-Mn-Sn-Fe-In Heusler alloy,	Sandeep Nambiar S., Murthy B.R.N., Sathyashankara S., Prasanna A.A	Physics	Journal of Physics: Conference Series,	2020	Vol. 2070 Issue number 1, 2021	https://researcher.manipal.edu/en/publications/martensitic-transformation-behavior-and-structural-characteristic	Scopus	Q3
27.	Study on effects of shockwave treatment on PVA films in view of electrical property changes	K Thirumalesh, SP Raju, HM Somashekarappa, K Swaroop	Physics	Materials Research Express	2020	7 (1), 015344	https://doi.org/10.1088/2053-1591/ab6ca1	Scopus	Q2
28.	Shock wave treated PVA films as alternative bio degradable polymer for packaging industry	K Thirumalesh, SP Raju, HM Somashekarappa, K Swaroop	Physics	JOURNAL OF NANO- AND ELECTRONIC PHYSICS	2020	2, 2020	DOI: 10.21272/jnep.12(2).02034	Scopus	Q3
	2021								
	Title of paper	**Name of the author/s**	**Department**	**Name of journal**	**Year of publication**	**Volume and Page number**	**DOI link**	**Scopus /SCI/ WOS**	**Quartile (As per SCImago)**
1.	"Discovery of a novel series of substituted quinolines acting as anticancer agents and selective EGFR blocker: Molecular docking study."	Kumar, CB Pradeep, M. S. Raghu, B. S. Prathibha, M. K. Prashanth, G. Kanthimathi, K. Yogesh Kumar, L. Parashuram, and Fahad A. Alharthi.	Chemistry	Bioorganic & Medicinal Chemistry Letters	2021	44 (2021): 128118.	https://doi.org/10.1016/j.bmcl.2021.128118	SCI	Q2
2.	"N-doped reduced graphene oxide anchored with 未Ta2O5 for energy and environmental remediation: Efficient light-driven hydrogen evolution and simultaneous degradation of textile dyes."	Kumar, K. Yogesh, L. Parashuram, M. K. Prashanth, CB Pradeep Kumar, Fahad A. Alharti, Prakash Krishnaiah, Byong-Hun Jeon, Mani Govindasamy, and M. S. Raghu.	Chemistry	Advanced Powder Technology	2021	32, no. 7 (2021): 2202-2212.	https://doi.org/10.1016/j.apt.2021.04.031	SCI	Q1
3.	"Effect of OH, NH2 and OCH3 groups on the corrosion inhibition efficacy of three new 2, 4, 5-trisubstituted imidazole derivatives on mild steel in acidic solutions: experimental, surface and DFT explorations."	Prashanth, M. K., CB Pradeep Kumar, B. S. Prathibha, M. S. Raghu, K. Yogesh Kumar, M. B. Jagadeesha, K. N. Mohana, and Honnur Krishna.	Chemistry	Journal of Molecular Liquids	2021	329 (2021): 115587.	https://doi.org/10.1016/j.molliq.2021.115587	SCI	Q1
4.	"Adsorption of anionic dye on eco-friendly synthesised reduced graphene oxide anchored with lanthanum aluminate: Isotherms, kinetics and statistical error analysis."	Alrobei, H., M. K. Prashanth, C. R. Manjunatha, CB Pradeep Kumar, C. P. Chitrabanu, Prasanna D. Shivaramu, K. Yogesh Kumar, and M. S. Raghu.	Chemistry	Ceramics International	2021	47, no. 7 (2021): 10322-10331.	https://doi.org/10.1016/j.ceramint.2020.07.251	SCI	Q1
5.	"Click synthesis of 1, 2, 3-triazole based imidazoles: Antitubercular evaluation, molecular docking and HSA binding studies."	Kumar, CB Pradeep, B. S. Prathibha, K. N. N. Prasad, M. S. Raghu, M. K. Prashanth, B. K. Jayanna, Fahad A. Alharthi, S. Chandrasekhar, H. D. Revanasiddappa, and K. Yogesh Kumar.	Chemistry	Bioorganic & Medicinal Chemistry Letters	2021	36 (2021): 127810.	https://doi.org/10.1016/j.bmcl.2021.127810	SCI	Q2
6.	"Simple in-situ functionalization of polyaniline with boroncarbonitride as potential multipurpose photocatalyst:	Raghu, M. S., L. Parashuram, M. K. Prashanth, K. Yogesh Kumar, CB Pradeep Kumar, and H. Alrobei.	Chemistry	Nano-Structures &	2021	25 (2021): 100667.	https://doi.org/10.1016/j.nanoso.2021.100667	Scopus	Q2

	Generation of hydrogen, organic and inorganic pollutant detoxification."			Nano-Objects					
7.	Novel nano corrosion inhibitor, integrated zinc titanate nano particles: Synthesis, characterization, thermodynamic and electrochemical studies.	Sowmyashree, A. S., Amita Somya, CB Pradeep Kumar, and Srilatha Rao.	Chemistry	Surfaces and Interfaces	2021	22 (2021): 100812.	https://doi.org/10.1016/j.surfin.2020.100812	SCI	Q1
8.	"Synthesis, characterization, antimicrobial and interaction studies of pteridines with human serum albumin: A combined multi-spectroscopic and computational study."	Raghu, M. S., K. Yogesh Kumar, K. Veena, CB Pradeep Kumar, Amani Salem Almalki, G. Mani, Fatmah Ali Alasmary, and M. K. Prashanth.	Chemistry	Journal of Molecular Structure	2021	1250 (2022): 131857.	https://doi.org/10.1016/j.molstruc.2021.131857	SCI	Q2
9.	"Novel 1, 3, 5-triazine-based pyrazole derivatives as potential antitumor agents and EFGR kinase inhibitors: Synthesis, cytotoxicity, DNA binding, molecular docking and DFT studies."	Raghu, M. S., CB Pradeep Kumar, M. K. Prashanth, K. Yogesh Kumar, B. S. Prathibha, G. Kanthimathi, Siham Abdulrahman Alissa, Hanan Abdulrahman Alghulikah, and Sameh M. Osman.	Chemistry	New Journal of Chemistry	2021	45, no. 31 (2021): 13909-13924.	https://doi.org/10.1039/D1NJ02419A	SCI	Q1
10.	Kumar, CB Pradeep, M. S. Raghu, K. N. N. Prasad, S. Chandrasekhar, B. K. Jayanna, Fahad A. Alharthi, M. K. Prashanth, and K. Yogesh Kumar. "Investigation of biological activity of 2, 3-disubstituted quinazolin-4 (1 H)-ones against Mycobacterium tuberculosis and DNA via docking, spectroscopy and DFT studies."	Kumar, CB Pradeep, M. S. Raghu, K. N. N. Prasad, S. Chandrasekhar, B. K. Jayanna, Fahad A. Alharthi, M. K. Prashanth, and K. Yogesh Kumar.	Chemistry	New Journal of Chemistry	2021	45, no. 1 (2021): 403-414.	https://doi.org/10.1039/D0NJ03800H	SCI	Q1
11.	Effect of Dynamic job Sequencing in a Diverging Converging Conveyor System & Buffer Optimization Using Genetic Algorithm	Hemanth T.S.	CS&BS	Turkish Journal of Computer and Mathematics Education	2021	12 (11), 5769-5773	https://www.proquest.com/docview/2639756305	Scopus	
12.	Oral Images Dataset	Chandrashekar H S, Geetha Kiran A, Murali S, Dinesh M S, Nanditha B R	CSE	Mendeley Data	2021	V2	DOI: 10.17632/mhjyrn35p4.2	SCI	Q3
13.	SECURE EFFICIENT AND CERTIFICATELESS , AUTHENTICATION SCHEME FOR WIRED AND WIRELESS NETWORKS	Raghavendra K, Ramesh B, Chandrika J	CSE	International Journal of Advanced Research in Engineering a nd Technology (IJARET)	2021	Volume 12, Issue 2, pp. 1-175	DOI: 10.34218/IJARET.12.2.2021.015	Scopus	NA
14.	A novel automated framework for water impurity detection	Afzal Shaikh, Preeta Sharan, PC Srikanth, Manju Devi	ECE	International Journal of Information Technology	2021	13, 785-792	https://doi.org/10.1007/s41870-020-00601-x	Scopus	Q2
15.	Design and implementation of MOEMS based optical diaphragm using Photonic Crystal for the prevention of barotrauma	Yashaswini P. R, Srikanth PC, Preeta Sharan	ECE	Results in Optics	2021	5, 100191	https://doi.org/10.1016/j.rio.2021.100191	SCI	Q3
16.	Multiple-Input Multiple Output-Orthogonal Frequency Division Multiplexing System using Improved Wild Horse Optimization for Channel Estimation	Santhosh Kumar Kenkere Basavaraju, Sushma Nagesh, Murthi Mahadeva Naik Ganganaik, Triveni Chitralingappa Lingappa1 Sreenivasulu Tupalula, Venkateswara Rao Kolli, Indira Bahaddur	ECE	International journal of intelligent Engineering Systems	2021	Vol.17, No.5, 2024	10.22266/ijies2024.1031.60	Scopus	Q2
17.	A High Q-factor Photonic Crystal Microring-resonator based Pressure Sensor",	Venkateswara Rao Kolli , Indira Bahaddur, Basavaprasada	ECE	Photonics and Nanostructures - Fundamental	2021	volume 43,100870	https://doi.org/10.1016/j.photonics.2020.100870	SCI	Q3

				s and Applications					
18.	Integrated optical MEMS serially coupled double racetrack resonator based accelerometer	Venkateswara Rao Kolli, Prabhakar Dudla, Srinivas Talabattula	ECE	Optik	2021		https://doi.org/10.1016/j.ijleo.2021.166583	SCI	Q2
19.	A novel computation method for detection of Malaria in RBC using Photonic biosensor	BM Hemanth Kumar, PC Srikanth, AM Vaibhav	ECE	International Journal of Information Technology	2021	13/2053-2058	https://doi.org/10.1007/s41870-021-00782-z	Scopus	Q2
20.	Low area FPGA Implementation of Secure MIMO OFDM based Wireless ECG Signal Transmission.	Santhosh Kumar Kenkere Basavaraj, Bangalore Ramchandra Sujatha	ECE	International journal of intelligent Engineering Systems	2021	Vol.14, No.4, 2021	10.22266/ijies2021.0831.06	Scopus	Q2
21.	Circular diaphragm-based MOEMS pressure sensor using ring resonator	PR Yashaswini, N Mamatha, PC Srikanth	ECE	International Journal of Information Technology	2021	13, 213-220	https://doi.org/10.1007/s41870-020-00534-5	Scopus	Q2
22.	Hybrid Feature-Assisted Neural Model for Crowd Behavior Analysis	Swathi, HY and Shivakumar, G	ECE	SN Computer Science	2021	2 and pp. 1-11	10.1007/s42979-021-00636-2	Scopus /SCI	Q2
23.	Demand Side Management based techno-economic performance analysis for a stand-alone hybrid renewable energy system of India	M. Ramesh	EEE	Energy Sources Part A: Recovery Utilization, and Environmental Effects	2021	Volume 47, 2025 - Issue 1	https://doi.org/10.1080/15567036.2020.1851820	SCI	Q3
24.	Peltier Thermo-Electric Generator based Standalone Micro-Power Supply System	Bharath Y.K., Shruthi K.H., Dhavala R.K	EEE	IEEE seventh International Conference on Electrical Energy Systems (IEEE-EES)	2021		10.1109/ICEES51510.2021.9383685	Scopus	
25.	Feasibility study by demand side management for selected remote area	Dhavala R.K, H.N. SureshRajanna S.,	EEE	IEEE 7th International conference on Electrical energy systems	2021		10.1109/ICEES51510.2021.9383675	Scopus	
26.	Vector Control of Doubly fed Induction Machine for an Electric Vehicle Application	G. T. Arjun, N. S. Jyothi and V. S. Neethu	EEE	2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT)	2021	784-787	10.1109/RTEICT52294.2021.9573881	Scopus	
27.	Optimal EV placement using Particle Swarm Optimization Algorithm	Neethu V. S., Jyothi N.S. and Raghvendraprasad Deshpande	EEE	IEEE International Conference	2021	267-272	10.1109/ICEECCOT52851.2021.9707951	Scopus	

28.	Optimized Scale Invariant Hog Descriptors for tobacco plant detection	Dr. Chandrika J	ISE	WSEAS Transaction on Environment and Development	2021	-	10.37394/23.2015.2021.17.74	Scopus	Q4
29.	Malevolent node detection based on network parameters mining in wireless sensor networks	Dr. Chandrika J	ISE	International Journal of Digital Crime & Forensics (IJDCF)	2021	-	Doi:10.4018/ijdcf20210901.oab	Scopus	Q3
30.	A novel machine learning-based hybrid model for webshell detection	Dr. Chandrika J	ISE	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2021	-	Doi: 10.17148/ijarcce.2021.10543	Scopus	-
31.	Deep learning-based assistive device for visually challenged	Dr. Chandrika J	ISE	International Journal of Advanced Research in Computer and Communication Engineering	2021	-	Doi: 10.17148/ijarcce.2021.10543	Scopus	-
32.	IoT-Based Smart Home Using Edge Computing	Dr. Anand Babu J	ISE	Natural Volatiles and Essential Oils (NVEO)	2021	-	Https://www.nveo.org/index.php/journal/article/view/2550	Scopus	-
33.	Clustering and Detection of Liver Disease in Indian Patients Using Machine Learning Algorithms	Dr. Anand Babu J	ISE	Journal of Xidian University	2021	-	Https://doi.org/10.37896/jxu15.12/029	Scopus	-
34.	Machine learning-based recommendation system on movie reviews using KNN classifiers	Dr. Anand Babu J	ISE	Journal of Physics: Conference Series	2021	-	Doi:10.1088/1742-6596/1964/4/042081	Scopus	-
35.	A Review on Imaging Modalities and Techniques for Oral Malignancy Detection	Dr. Nanditha B R	ISE	International Journal of Current Research and Review	2021	-	Http://dx.doi.org/10.31782/IJCRR.2021.132013	Scopus	Q4
36.	Oral Cancer Detection using Machine Learning and Deep Learning Techniques	Dr. Nanditha B R	ISE	International Journal of Current Research and Review	2021	-	Http://dx.doi.org/10.31782/ijcrr.2021.132013	Scopus	Q4
37.	Optimizing Performance Parameters in Wireless Sensor Network using Hybrid MAC	Dr. Anand Babu J	ISE	EAI Endorsed	2021	-	10.4108/eai.13-1-2021.168092	Scopus	Q3

				Transactions on Energy					
38.	A novel secure data hiding technique into video sequences using RVIHS	Dr. Anand Babu J	ISE	International Journal of Computer Network and Information Security	2021	-	10.5815/ijcnis.2021.02.05	Scopus	Q4
39.	Cryptographic based approach for Data hiding in Advanced Video Sequences	Dr. Anand Babu J	ISE	Turkish Journal of Computer and Mathematics Education (TURCOM AT)	2021	-	doi.org/10.17762/turcomat.v12i6.4808	Scopus	Q4
40.	Oral Malignancy Detection using Color Features from Digital True Color Images	Dr. Nanditha B R	ISE	International Journal of Online and Biomedical Engineering (IJoE)	2021	-	https://doi.org/10.3991/ijoe.v16i14.17429	Scopus /ESCI	Q4
41.	An Ensemble Deep Neural Network Approach for Oral Cancer Screening	Dr. Nanditha B R	ISE	International Journal of Online and Biomedical Engineering (IJoE)	2021	-	https://doi.org/10.3991/ijoe.v16i14.17429	Scopus /ESCI	Q4
42.	Prediction of Liver Disease using Regression Tree	Dr. Vinutha M.R	ISE	International Journal of Online and Biomedical Engineering (IJoE)	2021	-	doi.org/10.3991/ijoe.v17i02.19287	Scopus /SCI	Q3
43.	Imputation as a Technique for Enhancing the Quality of Medical Data	Dr. Vinutha M.R	ISE	International Journal of Current Research and Review (IJCRR)	2021	-	dx.doi.org/10.31782/IJCRR.2021.13513	Scopus	Q4
44.	EANNMHO - A Novel Ensemble-based Technique for Detection of Liver Cirrhosis	Dr. Vinutha M.R	ISE	International Journal of Online and Biomedical Engineering (IJoE)	2021	-	https://online-journals.org/index.php/i-joe/article/view/21027	Scopus	Q4
45.	Hybrid (ND-Co3O4/EG) nanoliquid through a permeable cylinder under homogeneous-heterogeneous reactions and slip effects	G.K. Ramesh, S. Manjunatha, **G.S. Roopa,** Ali J. Chamkha,	Mathematics	Journal of Thermal Analysis and Calorimetry	2021	Vol. 146, Pp. 1347-1357	https://doi.org/10.1007/s10973-020-10106-1	Scopus /SCI/ WOS	Q2
46.	Time-dependent squeezing flow of Casson-micropolar nanofluid with injection/suction and slip effects	G.K. Ramesh, **G.S. Roopa,** A. Rauf, S. A. Shehzad, F.M. Abbasi	Mathematics	International Communications in Heat and Mass Transfer	2021	Volume 126, Pp.105470	https://doi.org/10.1016/j.icheatmasstransfer.2021.105470	Scopus /SCI/ WOS	Q1

47.	Entropy generation analysis of radiative Williamson fluid flow in an inclined microchannel with multiple slip and convective heating boundary effects	NS Shashikumar, K Thriveni, Macha Madhu, B Mahanthesh, BJ Gireesha, N Kishan	Mathematics	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2021	9.54E+15	https://doi.org/10.1177/09544089211049	Scopus /SCI/ WOS	Q2
48.	Thermal analysis of MHD Williamson fluid flow through a microchannel	NS Shashikumar, Macha Madhu, S Sindhu, BJ Gireesha, Naikoti Kishan	Mathematics	International Communications in Heat and Mass Transfer	2021	127 and 105582	https://doi.org/10.1016/j.icheatmasstransfer.2021.105582	Scopus /SCI/ WOS	Q1
49.	Heat transfer enhancement due to nanoparticles, magnetic field, thermal and exponential space-dependent heat source aspects in nanoliquid flow past a stretchable spinning disk	Basavarajappa Mahanthesh, Nagavangala Shankarappa Shashikumar, Giulio Lorenzini	Mathematics	Journal of Thermal Analysis and Calorimetry	2021	145 and 3339-3347	https://doi.org/10.1007/s10973-020-09927-x	Scopus /SCI/ WOS	Q1
50.	Second law analysis of MHD micropolar fluid flow through a porous microchannel with multiple slip and convective boundary conditions	Macha Madhu, NS Shashikumar, Bijjanal Jayanna Gireesha, Naikoti Kishan	Mathematics	Defect and Diffusion Forum	2021	409 and 123-141	https://www.scientific.net/DDF.409.123	Scopus	Q3
51.	Three dimensional boundary layer flow of MHD Maxwell nanofluid over a non-linearly stretching sheet with nonlinear thermal radiation	BJ Gireesha, BC Prasannakumara, M Umeshaiah, NS Shashikumar	Mathematics	Journal of Applied Nonlinear Dynamics	2021	10(02) and 263-277	DOI-10.5890-JAND.2021.06.006.aspx	Scopus I/WOS	Q4
52.	Heat transfer optimization of hybrid nanomaterial using modified Buongiorno model: A sensitivity analysis	B Mahanthesh, SA Shehzad, Joby Mackolil, NS Shashikumar	Mathematics	International journal of heat and mass transfer	2021	171 and 121081	https://doi.org/10.1016/j.ijheatmasstransfer.2021.121081	Scopus /SCI/ WOS	Q1
53.	Second law analysis of MHD third-grade fluid flow through the microchannel	Macha Madhu, NS Shashikumar, BJ Gireesha, Naikoti Kishan	Mathematics	Pramana - Journal of Physics	2021	95 and1-10	https://doi.org/10.1007/s12043-020-02037-1	Scopus /SCI/ WOS	Q2
54.	Synthesis of atmospherically stable zero-valent iron nanoparticles (nZVI) for the efficient catalytic treatment of high-strength domestic wastewater	Ansari A, Siddiqui VU, Akram MK, Siddiqi WA, Khan A, Al-Romaizan AN, Hussein MA, Madhu P	Mechanical	Catalysts	2021	2(1):26	https://doi.org/10.3390/catal12010026	SCIE	Q2
55.	A review on extraction, chemical treatment, characterization of natural fibers and its composites for potential applications	Jagadeesh P, Madhu P, Mavinkere Rangappa S, Siengchin S	Mechanical	Polymer composites	2021	42(12):6239-6264	https://doi.org/10.1002/pc.26312	SCIE	Q1
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57.	Mechanical and chemical properties evaluation of sheep wool fiber,Äìreinforced vinylester and polyester composites	Bharath KN, Madhu P, Yashas Gowda TG, Verma A, Sanjay MR, Siengchin S	Mechanical	Materials Performance and Characterization	2021	10(1):99-109	https://doi.org/10.1520/MPC20200036	Scopus	Q3
58.	A new study on flax,Äêbasalt,Äêcarbon fiber reinforced epoxy/bioepoxy hybrid composites	TG YG, Madhu P, Kushvaha V, MR S, Siengchin S	Mechanical	Polymer Composites	2021	2(4):1891-1900	https://doi.org/10.1002/pc.25944	SCIE	Q1
59.	A comprehensive review on cellulose nanocrystals and cellulose nanofibers: Pretreatment, preparation, and characterization	Nagarajan KJ, Ramanujam NR, Sanjay MR, Siengchin S, Surya Rajan B, Sathick Basha K, Madhu P, Raghav GR	Mechanical	Polymer Composites	2021	42(4):1588-1630	https://doi.org/10.1002/pc.25929	SCIE	Q1

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61.	A brief study on optical and mechanical properties of an organic material: urea glutaric acid (2/1),Äîa third order nonlinear optical single crystal	Kumari CR, Al Otaibi A, Kamaraj T, Nageshwari M, Mathubala G, Manikandan A, Caroline ML, Sudha S, Kashmery HA, Madhu P, Khan A	Mechanical	Crystals	2021	1(10):1239	https://doi.org/10.3390/cryst11101239	SCIE	Q2
62.	Trends and developments in natural fiber composites. Applied Science and Engineering Progress	Madhu P, Pulikkalparambil H, Rangappa SM	Mechanical	Applied Science and Engineering Progress	2021	4(4):543-552	https://doi.org/10.14416/j.asep.2021.06.006	Scopus	Q2
63.	Unveiling the photosensitive and magnetic properties of amorphous iron nanoparticles with its application towards decontamination of water and cancer treatment	Sri VS, Manikandan A, Mathankumar M, Tamizhselvi R, George M, Murugaiah K, Kashmery HA, Al-Zahrani SA, Madhu P, Khan A, Asiri AM	Mechanical	Journal of Materials Research and Technology	2021	15:99-118	https://doi.org/10.1016/j.jmrt.2021.07.145	SCIE	Q1
64.	Bacillus-mediated silver nanoparticle synthesis and its antagonistic activity against bacterial and fungal pathogens	Kabeerdass N, Al Otaibi A, Rajendran M, Manikandan A, Kashmery HA, Rahman MM, Madhu P, Khan A, Asiri AM, Mathanmohun M	Mechanical	Antibiotics	2021	10(11):1334	https://doi.org/10.3390/antibiotics10111334	SCIE	Q1
65.	Microstructure and Wear Behavior of Microwave Treated WC-10Co-4Cr Composite Coating on AISI 4140 Alloy Steel	Pradeep, D. G., H. S. Nithin, B. N. Sharath, K. S. Madhu, and C. V. Venkatesh	Mechanical	Materials Science and Engineering,	2021	vol. 1189, no. 1, p. 012012.	doi:10.1088/1757-899X/1189/1/012012.	Scopus	
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68.	Investigating the adhesion strength of electrodeposited Ni-Al2O3 nano composite on Al-2618 substrate by using the scratch test technique	Pradeep DG, Sharath BN, Madhu KS, Karthik S, Venkatesh CV	Mechanical	Materials Today: Proceedings.	2021		https://doi.org/10.1016/j.matpr.2021.11.336.	Scopus	
69.	Tribological Suitability of aluminium hybrid composite above atmospheric temperature	Sharath, B. N., K. S. Madhu, D. G. Pradeep, and C. V. Venkatesh	Mechanical	Materials Science and Engineering	2021	vol. 1189, no. 1, p. 012018	doi:10.1088/1757-899X/1189/1/012018	Scopus	
70.	Evaluation of Mechanical Properties of Ceramic Reinforced Aluminium-7029 Hybrid Composite	Madhu, K. S., Sharath, B. N. C. V. Venkatesh, and D. G. Pradeep	Mechanical	Materials Science and Engineering	2021	vol. 1189, no. 1, p. 012019	doi:10.1088/1757-899X/1189/1/012019.	Scopus	
71.	Novel Muntingia Calabura bark fiber reinforced green-epoxy composite: A sustainable and green material for cleaner production.	Bharath KN, Madhu P, Yashas Gowda TG, Verma A, Sanjay MR, Siengchin S	Mechanical	Materials Performance and Characterization	2021	10(1):99-109	https://doi.org/10.1520/MPC20200036	Scopus	Q3
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73.	Machinability of AA6061 aluminum alloy and AISI 304L stainless steel using nonedible vegetable oils applied as minimum quantity lubrication	TP Jeevan, SR Jayaram, Asif Afzal, HS Ashrith, Manzoore Elahi M Soudagar, MA Mujtaba	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2021	43, 3	https://doi.org/10.1007/s40430-021-02885-x	SCI	Q2
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76.	Experimental Investigation of effect of hybridization of UHMWPE fibers on the mechanical and physical properties of Basalt fiber reinforced polymer matrix composites	R Raghavendra Rao, S Pradeep, S Karthik, KR Gopi, BS Shivashankara	Mechanical Engineering	IOP Conference Series: Materials Science and Engineering	2021	1189 (2021) 012025	https://doi.org/10.1088/1757-899X/1189/1/012025	Scopus	Q4
77.	Investigation of mechanical properties of ECAP processed AL7068 aluminium alloy	BS Shivashankara, KR Gopi, S Pradeep, R Raghavendra Rao	Mechanical Engineering	IOP Conference Series: Materials Science and Engineering	2021	1189 (2021) 012027	https://doi.org/10.1088/1757899X/1189/1/012027	Scopus	Q4
78.	Vickers micro-hardness variation during change in concentration of constituent elements in Ni50–xFexMn30Sn20–yIny, Heusler alloys,	Sandeep Nambiar S, BRN. Murthy, Sathyashankara Sharma, A. A. Prasanna	Physics	Manufacturing Review	2021	Volume 9, id.4, 5 pp. 2022	https://ui.adsabs.harvard.edu/abs/2022ManRv...9....4S/abstract	Scopus /SCI/ WOS	Q2
79.	Shock tube data processing tools using open source hardware and software platforms	K Thirumalesh, SP Raju, HM Somashekarappa, K Swaroop	Physics	Engineering Reports	2021	3 (9), e12353	DOI: 10.1002/eng2.12353	Scopus	Q2
80.	A high sensitive photonic crystal Mach-Zehnder-Interferometer based pressure-sensor	Venkateswara Rao Kolli , Basavaprasad , Indira Bahaddur , Srinivas Talabattula	ECE	Results in Optics	2021	Volume 5, December 2021, 100118	https://doi.org/10.1016/j.rio.2021.100118	Scopus	Q3

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	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	Volume and Page number	DOI link	Scopus /SCI/ WOS	Quartile (As per SCImago)
1.	"Design and synthesis of novel benzimidazole linked thiazole derivatives as promising inhibitors of drug-resistant tuberculosis."	Veena, K., Madihalli Srinivas Raghu, K. Yogesh Kumar, CB Pradeep Kumar, Fahad A. Alharti, Maralekere Krishnegowda Prashanth, and Byong-Hun Jeon.	Chemistry	Journal of Molecular Structure	2022	1269 (2022): 133822.	https://doi.org/10.1016/j.molstruc.2022.133822	SCI	Q2
2.	"Fabrication of FeVO4/RGO Nanocomposite: An amperometric probe for sensitive detection of methyl parathion in green beans and solar light-induced degradation."	Alsulami, Abdullah, Yogesh K. Kumarswamy, Maralekere K. Prashanth, Shanavaz Hamzada, Parashuram Lakshminarayana, Chikkur B. Pradeep Kumar, Byong-Hun Jeon, and Madihalli S. Raghu.	Chemistry	ACS omega .	2022	7, no. 49 (2022): 45239-45252	https://doi.org/10.1021/acsomega.2c05729?urlappend=%3Fref%3DPDF&jav=VoR&rel=cite-as	SCI	Q1
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4.	"Microwave-assisted N-alkylation of amines with alcohols catalyzed by MnCl2: Anticancer, docking, and DFT studies."	Kumar, K. Yogesh, CB Pradeep Kumar, K. N. N. Prasad, Byong-Hun Jeon, Ali Alsalme, and M. K. Prashanth.	Chemistry	Archiv der Pharmazie	2022	355, no. 5 (2022): 2100443.	https://doi.org/10.1002/ardp.202100443	SCI	Q1

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6.	"Experimental and DFT explorations of tert-butyl (1-(2-(4-nitrobenzylidene)-hydrazinyl)-1-oxopropan-2yl)-carbamate on CRCA metal in 1M HCl solution."	Rao, Srilatha, R. Suhas, M. Mahadevaswamy, Pradeep Kumar CB, Gururaj Kudur Jayaprakash, A. S. Sowmyashree, K. Shwetha, T. Aravinda, and Sandeep Kumar.	Chemistry	Results in Surfaces and Interfaces	2022	6 (2022): 100024.	https://doi.org/10.1016/j.rsurfi.2021.100024	Scopus	Q2
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8.	Prediction of failure for a slender reinforced concrete column using reliability analysis	Dr. A J KRISHNAIAH	CIVIL ENGINEERING	The Indian Concrete Journal	2022	Vol. 96, No. 9, pp. 41-47.	https://www.icjonline.com/editionabstract_detail/092022	Scopus	Q3
9.	FIBER REINFORCED MORTAR	DAKSHAYINI R S	CIVIL ENGINEERING	Ymer	2022	Vol. 21, Issue 11 & Page3110-3114		Scopus	Q4
10.	Relevance of Thermal Imaging and Respiration Signals in Recognizing Human Emotions	C.M .Naveen Kumar	CS&BS	IJME	2022	pp- 5166-5175, Vol. 7 No. 1	https://kalaharijournals.com/resources/IJME_Vol7.1_499.pdf	Scopus	Q4
11.	Performance of salp swarm localization algorithm in underwater wireless sensor networks	C.M .Naveen Kumar	CS&BS	Photonics	2022	9(12), 984	https://doi.org/10.3390/photonics9120984	SCI	Q3
12.	Dynamic job sequencing of converging-diverging conveyor system for manufacturing optimization	Hemanth T.S.	CS&BS	Materials Today: Proceedings	2022	Vol 52, Issue 3, Pages 1901-1908	https://doi.org/10.1016/j.matpr.2021.11.523	Scopus	Q4
13.	SIDA-GAN: A lightweight Generative Adversarial Network for Single Image Depth Approximation	Anupama V, Dr. Geetha Kiran A	CSE	Results in Engineering	2022	Vol. 16, pp. 100636, ISSN 2590-1230	https://doi.org/10.1016/j.rineng.2022.100636	SCI	Q1
14.	A Fuzzy Consensus Clustering Algorithm for MRI Brain Tissue Segmentation	Dr. S. V. Aruna Kumar, Ehsan Yaghoubi, Hugo Proenca	CSE	Applied Sciences	2022	Vol. 12.15, 7385	https://doi.org/10.3390/app12157385	SCI	Q2
15.	Exploring Bias in Sclera Segmentation Models: A Group Evaluation Approach	Dr. S. V. Aruna Kumar, B. S. Harish, Umapada Pal et al.,	CSE	IEEE Transactions on Information Forensics and Security	2022	Vol. 18, pp. 190-205	https://doi.org/10.1109/TIFS.2022.3216468	SCI	Q1
16.	Key-cipher policy attribute-based encryption mechanism for access control of multimedia data in cloud storages	Kavyasri M N, Dr. Ramesh B	CSE	Indonesian Journal of Electrical Engineering and Computer Science	2022	Vol. 28, No. 1, pp. 545-550, ISSN: 2502-4752	DOI: http://doi.org/10.11591/ijeecs.v28.i1.pp545-550	SCI	Q3
17.	Quality-of-Service-Linked Privileged Content-Caching Mechanism for Named Data Networks	Shrisha H. S, Uma Boregowda	CSE	Future Internet	2022	Vol. 14, Issue: 5, pp. 1-24	https://doi.org/10.3390/fi14050157	SCI	Q2
18.	An energy efficient and scalable endpoint linked green content caching for Named Data Network based Internet of Things	Shrisha H. S, Uma Boregowda	CSE	Results in Engineering	2022	Volume 13, 100345	https://doi.org/10.1016/j.rineng.2022.100345	SCI	Q1
19.	SynthNet: A skip connected depthwise separable neural network for Novel View Synthesis of solid objects	Anupama V, A. Geetha Kiran	CSE	Results in Engineering	2022	Volume 13, 100383	https://doi.org/10.1016/j.rineng.2022.100383	SCI	Q1
20.	Workload Prediction Based Virtual Machine Migration and Optimal Switching Strategy for Cloud Power Management	R. Pushpalatha & B. Ramesh	CSE	Wireless Personal	2022	Vol. 123, pp. 761–784	https://doi.org/10.1007/s11277-021-09157-w	SCI/Scorpos	Q2

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21.	MangoGAN: a general adversarial network-based deep learning architecture for mango tree crown detection	Ramesh Kestur, Anjali Kulkarni, Rahul Bhaskar, Balaji Prabhu	CSE(AI&ML)	Journal of Applied Remote Sensing	2022	16(1), 014527	10.1117/1.JRS.16.014527	SCI	Q2
22.	High-performance 2D photonics MOEMS pressure sensors	Yashaswini PR, Gayathri HN, Srikanth PC	ECE	International Journal of Information Technology	2022	14, 2459-2468	https://doi.org/10.1007/s41870-022-00986-x	Scopus	Q2
23.	Si/SiO2 based nano-cavity biosensor for detection of anemia, HIV and cholesterol using refractive index of blood sample	BM Hemanth Kumar, AM Vaibhav, PC Srikanth	ECE	Indian J Sci Technol	2022	15, 899-907	https://sciresol.s3.us-east-2.amazonaws.com/IJST/Articles/2022/Issue-18/IJST-2021-186.pdf	Scopus	-
24.	High-performance 2D photonics MOEMS pressure sensors	Yashaswini PR, Gayathri HN, Srikanth PC	ECE	International Journal of Information Technology	2022	14, 2459-2468	https://doi.org/10.1007/s41870-022-00986-x	Scopus	Q2
25.	FPGA Design of an efficient EEG signal transmission through 5G wireless network using optimized pilot based channel estimation: a telemedicine application	KB Santhosh Kumar, BR Sujatha	ECE	Wireless Personal Communications	2022	123	https://doi.org/10.1007/s11277-021-09305-2	SCI	Q2
26.	Silicon and gallium nitride electrostatic comb-drive actuators are analyzed for capacitance, displacement, and electric potential distribution	Prakruthi H.L,Saara.K	ECE	Neuroquantology	2022	20,9,2827-2832	doi: 10.14704/nq.2022.20.9.NQ44329	Scopus	-
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28.	Hybrid interconnection schemes for output power enhancement of solar photovoltaic array under partial shading conditions	S. Rajanna, Manjunath, H. N., Suresh	EEE	IET Renewable Power Generation	2022	17, 2, (389-399)	https://doi.org/10.1049/rpg2.12543	Scopus /SCI/ WOS	Q2
29.	Maximization of photo-voltaic array power output through Lo Sho Square shade dispersion technique-based re-configuration scheme	S. Rajanna, Manjunath, H. N., Suresh	EEE	Energy Conversion and Management	2022	Volume 260, 15 May 2022, 115588	https://doi.org/10.1016/j.enconman.2022.115588	Scopus /SCI/ WOS	Q1
30.	Griffiths' Variable Learning Rate Online Sequential Learning Algorithm for Feed-Forward Neural Networks	Y. K. Bharath	EEE	Automatic Control and Computer Sciences	2022	Volume 56, pages 160–165	https://doi.org/10.3103/S0146411622020031	Scopus	Q4
31.	Hybrid texture and gradient modeling for dynamic background subtraction identification system using 5G data service	Dr. Chandrika J	ISE	Computer Assisted Methods in Engineering and Science	2022	-	Http://dx.doi.org/10.24423/cames.455	Scopus	Q3
32.	Neural Network-based Game Theory Approach for Personalized Privacy Preservation in Data Publishing	Dr. Anand Babu J	ISE	Journal of System and Management Sciences	2022	-	Doi:10.33168/jsms.2022.0132	Scopus	Q3
33.	Rescuenet: YOLO-based object detection model for detection and counting of flood survivors	Dr. Balaji Prabhu B V	ISE	Modeling Earth System and Environment	2022	-	Https://doi.org/10.1007/s40808-022-01414-6	Springer Link	-
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36.	electromagnetic radiation and convective slippery stipulation influence in viscous second grade nanofluid through penetrable material", (2022),(SCI/Scopus/Q2)	W. Jamshed, G.K. Ramesh, **G.S. Roopa**, K.S. Nisar, Rabia Safdar, J.K. Madhukesh, Faisal Shahzad, Siti Suzilliana Putri Mohamed Isa, B. Shankar Goud, Mohamed R Eid	Mathematics	ZAMM (Zeitschrift fur Angewandte Mathematik und Mechanik-Journal of Applied mathematics and mechanics),	2022	Pp. 1521-4001.	https://doi.org/10.1002/zamm.202200002	Scopus /SCI/ WOS	Q2
37.	Significance of aluminium alloys particle flow through a parallel plates with activation energy and chemical reaction	G.K. Ramesh, J.K. Madhukesh, B.C. Prasannakumara, **G.S. Roopa,**	Mathematics	Journal of Thermal Analysis and Calorimetry	2022	Vol. 147, Pp. 6971-6981	https://doi.org/10.1007/s10973-021-10981-2	Scopus /SCI/ WOS	Q2
38.	Thermal analysis of MHD Powell–Eyring fluid flow through a vertical microchannel	Macha Madhu, **NS Shashikumar**, BJ Gireesha, Naikoti Kishan	Mathematics	International Journal of Ambient Energy	2022	43(1) and 4454-4462	https://doi.org/10.1080/01430750.2021.1910566	Scopus	Q2
39.	Entropy generation analysis of MHD micropolar nanofluid flow through a micro channel	Macha Madhu, NS Shashikumar, BJ Gireesha, Naikoti Kishan	Mathematics	Discontinuity, Nonlinearity, and Complexity	2022	11(04) and 569-582	DOI-10.5890-DNC.2022.12.001.aspx	Scopus	Q3
40.	Irreversibility analysis of the MHD Williamson fluid flow through a microchannel with thermal radiation	Macha Madhu, NS Shashikumar, K Thriveni, BJ Gireesha, B Mahanthesh	Mathematics	Waves in Random and Complex Media	2022	1-23	https://doi.org/10.1080/17455030.2022.2111473	Scopus /SCI/ WOS	Q2
41.	Second law analysis of MHD Carreau fluid flow through a microchannel with thermal radiation	NS Shashikumar, S Sindhu, M Madhu, BJ Gireesha	Mathematics	Waves in Random and Complex Media	2022	1-25	https://doi.org/10.1080/17455030.2022.2060532	Scopus /SCI/ WOS	Q2
42.	Effect of B4C/Gr on hardness and wear behavior of Al2618 based hybrid composites through taguchi and artificial neural network analysis	Ballupete Nagaraju S, Kodigarahalli Somashekara M, Madhu P, Manjulaiah H, Kini CR, Channarayapattana Venkataramaiah V	Mechanical	Catalysts	2022	12(12):1654	https://doi.org/10.3390/catal12121654	SCIE	Q2
43.	Review on Tribological and Mechanical Behavior in HVOF Thermal-sprayed Composite Coatings	Pradeep DG, Venkatesh CV	Mechanical	Journal of Bio-and Tribo-Corrosion	2022	8(1):1-9	https://doi.org/10.1007/s40735-022-00631-x	Scopus	Q2
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45.	Waste coconut leaf sheath as reinforcement composite material with phenol,Äêformaldehyde matrix	Bharath KN, Madhu P, Mavinkere Rangappa S, S B, Siengchin S, Alexey K, Gorbatyuk S	Mechanical	Polymer Composites	2022	3(4):1985-1995	https://doi.org/10.1002/pc.26513	SCIE	Q1
46.	Synthesis, Characterization and Bio-Potential Activities of Co (II) and Ni (II) Complexes with O and N Donor Mixed Ligands	Muthuppalani M, Otaibi AA, Balasubramaniyan S, Manikandan S, Manimaran P, Mathubala G,	Mechanical	Crystals	2022	12(3):326	https://doi.org/10.3390/cryst12030326	SCIE	Q2

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48.	Effect of natural filler materials on fiber reinforced hybrid polymer composites: An Overview	Jagadeesh P, Madhu P, Thyavihalli Girijappa YG, Rangappa SM, Siengchin S	Mechanical	Journal of Natural Fibers	2022	19(11):4132-4147	https://doi.org/10.1080/15440478.2020.1854145	SCIE	Q2
49.	Microwave-assisted synthesis of poly (acrylamide-co-2-hydroxyethyl methacrylate)/chitosan semi-IPN ZnO nanocomposite membranes for food packaging applications	Patil MB, Rajamani SB, Mathad SN, Patil AY, Hussain MA, Alorfii HS, Khan A, Asiri AM, Khan I, Madhu P	Mechanical	Journal of Materials Research and Technology	2022	20:3537-3548	https://doi.org/10.1016/j.jmrt.2022.08.079	SCIE	Q1
50.	Sustainable recycling technologies for thermoplastic polymers and their composites: A review of the state of the art	Jagadeesh P, Mavinkere Rangappa S, Siengchin S, Madhu P, Thiagamani SM, Hemath Kumar M, Oladijo OP, Fiore V, Moure Cuadrado MM	Mechanical	Polymer Composites	2022	43(9):5831-5862	https://doi.org/10.1002/pc.27000	SCIE	Q1
51.	Mechanical and thermal properties of flax/carbon/kevlar based epoxy hybrid composites	Yashas Gowda TG, Madhu P, Mavinkere Rangappa S, Siengchin S, Jawaid M	Mechanical	Polymer Composites	2022	3(8):5649-5662	https://doi.org/10.1002/pc.26880	SCIE	Q1
52.	A comprehensive review on the effect of synthetic filler materials on fiber-reinforced hybrid polymer composites	Praveenkumara J, Madhu P, Yashas Gowda TG, Sanjay MR, Siengchin S	Mechanical	The Journal of the Textile Institute	2022	113(7):1231-1239	https://doi.org/10.1080/00405000.2021.1920151	Scopus	Q2
53.	Synthesis and Characterization of Microwave-Assisted Copolymer Membranes of Poly (vinyl alcohol)-g-starch-methacrylate and Their Evaluation for Gas Transport Properties	Patil M, Mathad SN, Patil AY, Arshad MN, Alorfi HS, Madhu P, Asiri AM, Khan A, Azum N	Mechanical	Polymers	2022	14(2):350	https://doi.org/10.3390/polym14020350	SCIE	Q1
54.	Comparative evaluation of areca/carbon/basalt fiber reinforced epoxy/bio epoxy based hybrid composites	Yashas Gowda TG, Madhu P, Kushvaha V, Rangappa SM, Siengchin S	Mechanical	Polymer Composites	2022	43(7):4179-4190	https://doi.org/10.1002/pc.26680	SCIE	Q1
55.	Growth and characterization of second and third order acentric studies of l-phenylalanine l-phenylalaninium malonate single crystal	Sangeetha P, Nageshwari M, Kumari CR, Srividhya S, Vinitha G, Mathubala G, Manikandan A, Caroline ML, Khan A, Alorfi HS, Madhu P, Hussein MA	Mechanical	Crystals	2022	2(6):869	https://doi.org/10.3390/cryst12060869	SCIE	Q2
56.	Influence of stacking sequence on flax/kevlar hybrid epoxy composites: Mechanical and morphological studies	Kangokar Mukesh S, Bettagowda N, Praveenkumara J, Thyavihalli Girijappa YG, Madhu P, Mavinkere Rangappa S, Siengchin S, Gorbatyuk S	Mechanical	Polymer Composites	2022	43(6):3782-3793	https://doi.org/10.1002/pc.26655	SCIE	Q1
57.	Role of polymer composites in railway sector: an overview	Jagadeesh P, Madhu P, Rangappa SM, Siengchin S	Mechanical	Applied Science and Engineering Progress	2022	15(2):5745	https://doi.org/10.14416/j.asep.2022.02.005	Scopus	Q2
58.	Recent developments and challenges in natural fiber composites: A review	Jagadeesh P, Madhu P, Boonyasopon P, Rangappa SM, Khan A, Siengchin S	Mechanical	Polymer Composites	2022	43(5):2545-2561	https://doi.org/10.1002/pc.26619	SCIE	Q1
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62.	Areca/Synthetic fibers reinforced based epoxy hybrid composites for semi,Äêstructural applications	Yashas Gowda TG, Vinod A, Madhu P, Sanjay MR, Siengchin S, Jawaid M	Mechanical	Polymer Composites	2022	43(8):5222-5234	https://doi.org/10.1002/pc.26814	SCIE	Q1
63.	Structural investigation of Cu doped calcium ferrite (Ca1-xCuxFe2O4; x= 0, 0.2, 0.4, 0.6, 0.8, 1) nanomaterials prepared by co-precipitation method	Ajeesha TL, Manikandan A, Anantharaman A, Jansi S, Durka M, Almessiere MA, Slimani Y, Baykal A, Asiri AM, Kasmery HA, Madhu P, Khan A	Mechanical	Journal of Materials Research and Technology	2022	18:705-719	https://doi.org/10.1016/j.jmrt.2022.02.081	SCIE	Q1
64.	Effect of layering sequence on impact properties of alkali treated phoenix pusilla fibers-glass-carbon fabrics reinforced hybrid composite laminates	Madhu P, Rangappa SM, Khan A, Al-Zahrani SA, Otaibi AA, Shivanna P, Liu Y, Siengchin S	Mechanical	Journal of Natural Fibers	2022	19(13):6878-6888	https://doi.org/10.1080/15440478.2021.1932683	SCIE	Q2
65.	Hybrid effect of PJFs/E-glass/carbon fabric reinforced hybrid epoxy composites for structural applications	Madhu P, Sanjay MR, Khan A, Otaibi AA, Al-Zahrani SA, Pradeep S, Yogesha B, Boonyasopon P, Siengchin S	Mechanical	Journal of Natural Fibers	2022	19(10):3742-3752	https://doi.org/10.1080/15440478.2020.1848724	SCIE	Q2
66.	Point angle effect on drilling of closed cell foams.	HV Divya, TP Jeevan, HS Ashrith, BM Rudresh	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2022	44(7)	https://doi.org/10.1007/s40430-022-03573-0	SCI	Q2
67.	Study on mechanical properties of AZ91 magnesium alloy	Avinash Srinivas, D Pavan, BK Venkatesha, R Raghavendra Rao, L Mohith	Mechanical Engineering	Materials Today Proceedings	2022	VOLUME 54 PP291-294	https://doi.org/10.1016/j.matpr.2021.09.171	SCOPUS	
68.	Effect of cenosphere on moisture absorption performance of woven hybrid bamboo-glass fiber reinforced epoxy composites	BK Venkatesha, T Deepak Kumar, Prashanth K P, BS Shivashankara, L Yuvaraj, S Sanman, N Venkatesh	Mechanical Engineering	Journal of Mines, Metals and Fuels	2022	Vol69, Issue 12A, Page 24-30	https://scholar.google.com/citations?view_op=view_citation&hl=en&user=39jLDrkAAAAJ&citation_for_view=39jLDrkAAAAJ:3fE2CSJIrl8C	Scopus	Q4
69.	Advances and Trends in Industrial Lubrication	TP Jeevan, HK Sharath, HV Divya	Mechanical Engineering	Springer Nature Singapore	2022		https://doi.org/10.1007/978-981-99-9264-5_6	Scopus	
70.	Effect of wood filler on the mechanical and thermal behavior of polypropylene/short glass/short carbon fiber-reinforced hybrid composites	HV Divya, TP Jeevan, HS Ashrith, BM Rudresh	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2022	44(7)	https://doi.org/10.1007/s40430-022-03573-0	SCI	Q2
71.	Effect of processing route on grain refinement and mechanical properties in equal channel angular pressing of aluminium alloy AA7068	hivashankara B. S. , Gopi K. R., Pradeep S. , Raghavendra Rao R., Venkatesha B. K.	Mechanical Engineering	Journal of Mines, Metals and Fuels	2022	Vol69, Issue 12A, Page 1+7	View article	SCOPUS	Q4
72.	Comparative Study of the Mechanical and Water Absorption Behaviour of Basalt Fiber Reinforced Polymer Matrix Composites with Different Epoxies as Matrix for Biomedical Applications	R Raghavendra Rao, S Pradeep, Nasim Hasan, BS Shivashankara, Mohamed Abdelghany Elkotb, C Ahamed Saleel, Asif Afzal, B Saleh	Mechanical Engineering	Advances in Materials Science and Engineering	2022	Volume 2021, Special Issue1, pp3499645	https://doi.org/10.1155/2021/3499645	SCIE	Q2
73.	Effect of fiber orientation on the mechanical properties of unidirectional basalt fiber reinforced polymer matrix composites	R. Raghavendra Rao, S. Pradeep, B. S. Shivashankara, S. Avinash , N. B. Pradeep	Mechanical Engineering	Journal of Mines, Metals and Fuels	2022	Vol69, Issue 12A, Page 97-101	View article	SCOPUS	Q4

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75.	Investigation on Magnetization, Magnetocalory, Magnetoresistance, and Electric Properties of Ni-Mn Based Heusler Alloy,	Sandeep Nambiar S., Murthy B. R. N., Karthik B. M., Sathyashankara Sharma and A. A. Prasanna,	Physics	Journal of Composite Science,	2022	2023, 7(1), 5	https://www.mdpi.com/2504-477X/7/1/5	Scopus /SCI/ WOS	Q2
76.	Microstructure and Mechanical Properties of Annealed Quinary Ni-Mn-Sn-Fe-In Heusler Alloy	Sandeep Nambiar S, BRN. Murthy, Sathyashankara Sharma, A. A. Prasanna and Arout Chelvane J.	Physics	Engineered Science	2022	2022, 17, 303-308	https://www.espublisher.com/journals/articledetails/632/	Scopus /SCI/ WOS	Q1
77.	Fluorescent sensitized irradiation sensing and recording hybrid quantum dot embedded polymer nanocomposites	SP Raju, R Varma, SN Chaitra, P Poornima, K Thirumalesh, G Sanjeev	Physics	Physica Scripta	2022	97 (5), 055001	DOI 10.1088/1402-4896/ac5f26	Scopus	Q2
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2.	"Tailoring the bandgap of zinc indium sulfide/boroncarbonitride heterostructure for efficient photocatalytic CO2 reduction."	Kumar, K. Yogesh, Lakshminarayana Parashuram, Maralekere Krishnegowda Prashanth, Hamzad Shanavaz, CB Pradeep Kumar, VS Anusuya Devi, Fahd Alharethy, Byong-Hun Jeon, and Madihalli Srinivas Raghu.	Chemistry	Journal of Environmental Chemical Engineering	2023	11, no. 5 (2023): 110867.	https://doi.org/10.1016/j.jece.2023.110867	SCI	Q1
3.	"Design, synthesis and molecular docking studies of 5, 6-difluoro-1H-benzo [d] imidazole derivatives as effective binders to GABAA receptor with potent anticonvulsant activity."	Raghu, Madihalli Srinivas, Hassan A. Swarup, B. S. Prathibha, K. Yogesh Kumar, CB Pradeep Kumar, Fahad A. Alharti, Maralekere Krishnegowda Prashanth, and Byong-Hun Jeon.	Chemistry	Journal of Molecular Structure	2023	1285 (2023): 135502.	https://doi.org/10.1016/j.molstruc.2023.135502	SCI	Q2
4.	"Potential sustainable electrochemical corrosion inhibition study of Citrus limetta on mild steel surface in aggressive acidic media."	Sowmyashree, A. S., Amita Somya, Srilatha Rao, CB Pradeep Kumar, Abeer Nasser Al-Romaizan, Mahmoud A. Hussein, Anish Khan, Hadi M. Marwani, and Abdullah M. Asiri.	Chemistry	Journal of Materials Research and Technology	2023	24 (2023): 984-994.	https://doi.org/10.1016/j.jmrt.2023.02.039	SCI	Q1
5.	"Experimental and theoretical examinations of triazole linked saccharin derivatives as organic corrosion inhibitors for mild steel in hydrochloric acid."	Yousef, Tarek A., Abdulrahman G. Alhamzani, Mortaga M. Abou-Krisha, CB Pradeep Kumar, M. S. Raghu, K. Yogesh Kumar, M. K. Prashanth, and Byong-Hun Jeon.	Chemistry	Journal of Molecular Structure	2023	1275 (2023): 134603.	https://doi.org/10.1016/j.molstruc.2022.134603	SCI	Q2
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9.	A Comparative Study of Automation, Machine Learning and Artificial Intelligence in the Field of Education	C.M .Naveen Kumar	CS&BS	A Journal for New Zealand Herpetology	2023	Vol 12 Issue 01	https://doi.org/10.1007/s44196-024-00712-4	Web of Science	
10.	Network intrusion detection and classification using machine learning predictions fusion	Harshitha S, Ramesh B	CSE	Indonesian Journal of Electrical Engineering and Computer Science	2023	Vol. 31, No. 2, pp. 1147-1153,	DOI: 10.11591/ijeecs.v31.i2.pp1147-1153	SCI	Q3
11.	A Machine Learning based Approach for Crop Price Prediction	H. L. Gururaj, V. Janhavi, H. Lakshmi, B. C. Soundarya, K. Paramesha, B. Ramesh, and A. B. Rajendra	CSE	Journal of Circuits, Systems and Computers, World Scientific Connect Great Minds	2023	Vol 33, No. 03	DOI: https://doi.org/10.1142/S0218126624500543	SCI	Q3
12.	A fully labeled image dataset of banana leaves deficient in nutrients	Sunitha P, Uma B, Channakeshava S, Suresh Babu C S	CSE	Data in Brief	2023	Vol. 48, 109155, ISSN 2352-3409	https://doi.org/10.1016/j.dib.2023.109155	SCI	Q3
13.	YOLO-based object detection model for detection and counting of flood survivors.	Balaji Prabhu B V., Lakshmi, R., Ankitha, R	CSE(AI&ML)	Model. Earth Syst. Environ	2023	8, 4509–4516	10.1007/s40808-022-01414-6	SCI	Q1
14.	Enhancement of Radiation characteristics in a planar Microstrip patch Antenna using Defected Ground Structure	6. Pallavi H.V, Murti Mahadeva Naik G, A.P. Jagadeesh Chandra, Paramesha	ECE	Journal of Computer and Mathematics Education	2023	Vol.12 No.12	https://www.researchgate.net/publication/354858225_Enhancement_of_Radiation_characteristics_in_a_planar_Microstrip_patch_Antenna_using_Defected_Ground_Structure	Scopus	Q4
15.	Photonic Crystal-based Biosensor to Detect Multiple Myeloma from Blood Serum	Yashaswini P R C. L Triveni, V Krupa, Indira Bahaddur	ECE	Journal of Optics	2023	53, 383–388	https://doi.org/10.1007/s12596-023-01145-6	Scopus	Q4
16.	Design and simulation of a highly sensitive one-dimensional photonic crystal for different chemical sensing applications	PR Yashaswini, HN Gayathri, Indira Bahaddur, PC Srikanth	ECE	Results in Optics	2023	11, 100376	https://doi.org/10.1016/j.rio.2023.100376	SCI	Q3
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19.	Analytical modeling, fabrication and characterization of a 3-DOF MEMS gyroscope based on UV-LIGA process	Prakruthi H.L,Saara.K	ECE	Journal of Optics	2023	53,2,1068-1078	https://link.springer.com/article/10.1007/s12596-023-01258-y	Scopus	Q3
20.	Performance analysis of photonic crystal based biosensor for the detection of bio-molecules in urine and blood	PR Yashaswini, HN Gayathri, PC Srikanth	ECE	Materials Today: Proceedings	2023	80, 2247-2254	https://doi.org/10.1016/j.matpr.2021.06.192	SCI	Q3
21.	Audio-visual multi-modality driven hybrid feature learning model for crowd analysis and classification	Swathi, HY and Shivakumar, G	ECE	Mathematical Biosciences	2023	20 and pp. 12529--12561	10.3934/mbe.2023558	Scopus /SCI	Q2

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22.	A unified metering system deployed for water and energy monitoring in smart city	N. Sushma, H. N. Suresh, Mohana Lakshmi J, Parvathaneni Naga Srinivasu, Akash Kumar Bhoi, Paolo Barsocchi	EEE	IEEE Access	2023	vol. 11, pp. 80429-80447	10.1109/ACCESS.2023.3299825	Scopus /SCI/ WOS	Q2
23.	Design of a Battery Charge Controller Through MPPT Based Solar Photovoltaic System	B. Pooja, S. Rajanna, N. L.Varaprasad, M. Ramesh, G. R. Sowmya, S. R. Rakshitha	EEE	2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)	2023		10.1109/ICERECT56837.2022.10060581	Scopus	
24.	Machine Learning Techniques to Security Threats in Social Internet	Dr. Chandrika J	ISE	International Journal of Research in Engineering, Science and Management	2023	iSSN: 2581-5792	10.5815/ijcnis.2021.02.05	Scopus	-
25.	Cluster Based Segmentation for Tobacco Plant Detection & Classification	Dr. Chandrika J	ISE	Bulletin of Electrical Engineering & Informatics (BEEI)	2023	Volume 4, Issue 3.	10.11591/eei.v12i1.4388	Scopus	Q3
26.	Secure Optimal Routing Framework for Wireless Sensor Network to Improve Quality of Services	Dr. Chandrika J	ISE	Journal of Electronics Information Technology Science and Management	2023	-	10.11591/eei.v12i1.4388	Scopus	-
27.	Applying Ensemble Techniques for the Prediction of Alcoholic Liver Cirrhosis	Dr. Chandrika J	ISE	Lecture Notes in Networks and Systems	2023	-	https://doi.org/10.1007/s42979-023-01677-5	Spring er Link	Q4
28.	EPCA—Enhanced Principal Component Analysis for Medical Data Dimensionality Reduction	Dr. Chandrika J, Dr. Vinutha M.R	ISE	SN Computer Science	2023	-	https://doi.org/10.1007/s42979-023-01677-5	Spring er Link	Q4
29.	Hands-Free Computing for Disabled People Using Computer Vision	Dr. Anand Babu J	ISE	Journal of North Eastern University	2023	-	https://dbdxxb.n	Scopus	-
30.	A Nash Equilibrium Approach for User-Based Data Masking and Retrieval - A Basis of PPPDP	Dr. Anand Babu J	ISE	Journal of Xidian University	2023	-	http://xadzkjdx.n	Scopus	Q4
31.	Novel Approach for Hybrid MAC Scheme for Balanced Energy and Transmission in Sensor Devices	Dr. Anand Babu J	ISE	International Journal of Electrical and Computer	2023	-	-	Scopus	Q3

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32.	An Efficient and Secure Big Data Storage in Cloud Environment by Using Triple Data Encryption Standard	Dr. Anand Babu J	ISE	MDPI	2023	-	https://doi.org/10.3390/bdcc6040101	MDPI/ SCOPUS/SCI	Q2
33.	Quantum Fruit Fly Algorithm and ResNet50-VGG16 for Medical Diagnosis	Dr. Anand Babu J	ISE	Applied Soft Computing	2023	-	https://www.sciencedirect.com/science/article/abs/pii/S156849462300073X	Science Direct (Elsevier)	Q1
34.	Optimal Guidance Whale Optimization Algorithm and Hybrid Deep Learning Networks for Land Use Land Cover Classification	Dr. Anand Babu J	ISE	EURASIP Journal on Advances in Signal Processing	2023	-	https://link.springer.com/article/10.1186/s13634-023-00980-w	Springer Link	Q2
35.	Fuzzy Inference with Enhanced Convolutional Neural Network Based Classification Framework for Predicting Heart Attack Using Sensor Data	Dr. Chandrika J	ISE	International Information and Engineering Technology Association (IIETA)	2023	-	https://www.proquest.com/docview/2807000348?fromopenview=true&pq-origsite=gscholar&sourcetype=Scholarly%20Journals	Scopus	Q4
36.	Hybrid Texture and Gradient Modeling for Dynamic Background Subtraction Identification System in Tobacco Plant Using 5G Data Service	Dr. Chandrika J	ISE	Computer Assisted Methods in Engineering and Science	2023	-	https://bibliotekanauki.pl/	Scopus	-
37.	A Novel Framework for Detection of Harmful Snakes Using YOLO Algorithm	Dr. Anand Babu J	ISE	SN Computer Science	2023	-	https://link.springer.com/article/10.1007/s42979-023-02366-z	Springer Link	Q2
38.	SCEHO-IPSO: A Nature-Inspired Meta Heuristic Optimization for Task-Scheduling Policy in Cloud Computing	Dr. Anand Babu J	ISE	Journal of Applied Science	2023	-	https://www.mdpi.com/2076-3417/13/19/10850	MDPI	Q2
39.	Segmentation and Classification of Medical Big Data on Brain Tumor Using Bacteria Foraging Optimization Algorithm Along with Learning Automata	Dr. Anand Babu J	ISE	John Wiley & Sons, Ltd	2023	-	https://onlinelibrary.wiley.com/doi/abs/10.1002/itl2.468	Scopus	Q4
40.	HOPAV: Hybrid Optimization-Oriented Path Planning for Automated Vehicles	Dr. Anand Babu J	ISE	IET Control Theory & Applications	2023	-	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/cth2.12441	Scopus	Q1
41.	Optimal Guidance Whale Optimization Algorithm for Land Use Land Cover Classification	Dr. Anand Babu J	ISE	EURASIP Journal on Advances in Signal Processing	2023	-	https://link.springer.com/article/10.1186/s13634-023-00980-w	Scopus	Q1
42.	Multiobjective Reptile Search Algorithm for Image Deblurring	Dr. Anand Babu J	ISE	Journal of Artificial Intelligence and Technology	2023	-	https://doi.org/10.33179/jaite.23.4.10	Scopus	Q2
43.	An Exploratory Analysis of MHD Non-Newtonian Nanomaterial Fluids Flow Across an Exponential Elongated Sheet	P. A. Dinesh1, R. Sumithra, C. V. Vinay, N. L. Ramesh1, **G. K. Kalavathi**, N. J. Sahana, R. Gayithri, M. Pooja and H. V. Vandana	Mathematics	Journal of Mines, Metals and Fuels	2023	71(12C) : 225-233	1. 10.18311/jmmf/2023/47299.	scopus	Q4

44.	Radiation Effect on Heat and Mass Transfer of Casson Fluid owing to a Stretching Cylinder – A Numerical Approach	S. Sushma1, M. Uma, G. Neeraja, P. A. Dinesh and **G. K. Kalavathi**	Mathematics	Journal of Mines, Metals and Fuels	2023	71(12C) : 462-468	10.18311/jmmf/2023/47306	scopus	Q4
45.	Impact of Drag Force, Dufour and Suction/Blowing on 2D Radiated Viscous Nanomaterial over Unsteady Stretching Surface	R. Sumithra, P. A. Dinesh, Sweeti Yadav, K. R. Roopa, **G. K. Kalavathi**, G. S. Ashoka1, D. Prabhakar, R. B. Sandhya and Vinod1	Mathematics	Journal of Mines, Metals and Fuels	2023	71(12C) : 322-331	10.18311/jmmf/2023/47259	scopus	Q4
46.	Evaluation of High Temperature Dry Sliding Wear Behaviour of Thermal Sprayed and Microwave Fused WC12Co and CeO2 Modified WC12Co Composite Coatings	Pradeep DG, Venkatesh CV	Mechanical	Applied Science and Engineering Progress	2023	Vol. 16, No. 1, 2023, 5846	https://doi.org/10.14416/j.asep.2022.03.007	Scopus	Q2
47.	Comparative analysis of CoCrAlY coatings at high-temperature oxidation behavior using different reinforcement composition profiles	Nithin H S, Nishchitha K M, Pradeep D G, Durga C P, Mathapati M	Mechanical	Welding in the World	2023	67(3):585-92	https://doi.org/10.1007/s40194-022-01405-2	SCIE	Q1
48.	Simulation of Self Tuning Shape Memory Alloy Based PZT Energy Harvester	M. G. Vasundhara , G. K. Kalavathi, E. L. Pradeesh , K. K. Yogesha , H. R. Prakash , B. Muralidhara and B. Hulugappa	Mechanical	Journal of Mines, Metals and Fuels, ;	2023	VOL 71, 2667-2677	10.18311/jmmf/2023	scopus	Q4
49.	Experimental and numerical analysis on different beam geometries for vibration based piezoelectric energy harvester	E. L. Pradeesh, S. Udhayakumar, M. G. Vasundhara, G. K. Kalavathi	Mechanical	Ferroelectrics, Taylor & Francis	2023	VOL. 606, 219,Äì23	10.1080/00150193.2023.2189838	scopus /SCI/ WOs	Q4
50.	Analysis of Viscous Shear Effect in the Boundary Layer Region of Porous Medium of Infinitely Long Journal Bearing	Somashekhar M, Kalavathi GK, Vasundhara MG, Dinesh PA	Mechanical	International Journal of Intelligent Systems and Applications In Engineering	2023	VOL. 11, 663,Äì676	https://ijisae.org/index.php/IJISAE/article/view/7311	scopus	Q4
51.	Predictive Analysis of Slurry Erosion Behaviour in Aluminium-Based Hybrid Metal Matrix Composites: Experimental and Machine Learning Approach	Sharath BN, Karthik S, Madhu P, Madhu KS, Pradeep DG	Mechanical	Journal of Bio-and Tribo-Corrosion	2023	2023 Dec;9(4):70	1. https://doi.org/10.1007/s40735-023-00793-2	Scopus	Q2
52.	Evaluation of dry sliding wear behavior of thermally sprayed and microwave post-processed TiO2 reinforced tungsten carbide composite coating	Pradeep DG, Nithin HS, Sharath BN, Madhu KS	Mechanical	Welding in the World	2023	2023 Nov 9:1-3	https://doi.org/10.1007/s40194-023-01617-0.	SCIE	Q1
53.	Development of banana fabric incorporated polymer composites for printed circuit board application	Bharath KN, Madhu P, Yashas Gowda TG, Arpitha GR, Pradeep S, Rangappa SM, Siengchin S	Mechanical	Biomass Conversion and Biorefinery	2023	14(19): 12599-12612	https://doi.org/10.1007/s13399-023-04249-y	SCIE	Q2
54.	Investigations on physical, mechanical, morphological and water absorption properties of ramie/hemp/kevlar reinforced vinyl ester hybrid composites	Jagadeesh P, Madhu P, Thyavihalli Girijappa YG, Shivanna P, Mavinkere Rangappa S, Siengchin S	Mechanical	Journal of Vinyl and Additive Technology	2023	29(3):555-567	https://doi.org/10.1002/vnl.22008	SCIE	Q2
55.	Accelerated weathering of sustainable and micro-filler Basalt reinforced polymer biocomposites: Physical, mechanical, thermal, wettability, and water absorption studies	Jagadeesh P, Madhu P, Rangappa SM, Siengchin S	Mechanical	Journal of Building Engineering	2023	########	https://doi.org/10.1016/j.jobe.2023.108040	SCIE	Q1
56.	Mechanical and thermal properties of flax /carbon/kevlar based epoxy hybrid	TG YG, Ballupete Nagaraju S, Madhu P, Verma A, Rangappa SM, Siengchin S	Mechanical	Journal of Composites Science	2023	7(6):242	https://doi.org/10.3390/jcs7060242	Scopus	Q2
57.	Characterization of novel natural cellulose fiber from Ficus macrocarpa bark for lightweight structural composite application and its effect on chemical treatment	Madhu P, Yashas Gowda TG, Pradeep S	Mechanical	Biomass Conversion and Biorefinery	2023	21906815, 21906823	https://doi.org/10.1007/s13399-023-04249-y	SCI	Q2

58.	High Temperature Tensile Behaviour of Ceramic-Hybridized Metal Matrix Composites for Above-Room-Temperature Applications	Sharath BN, Madhu KS, Pradeep DG, Madhu P, Premkumar BG, Karthik S	Mechanical	Silicon	2023	2023 Nov 10:1-2	1. https://doi.org/10.1007/s12633-023-02746-3.	SCIE	Q2
59.	Thermal analysis of sustainable and micro-filler Basalt reinforced polymer biocomposites for lightweight applications	Jagadeesh P, Rangappa SM, Madhu P, Suyambulingam I, Siengchin S	Mechanical	Journal of Building Engineering	2023	########	https://doi.org/10.1016/j.jobe.2023.107869	SCIE	Q1
60.	Predictive Analysis of Slurry Erosion Behaviour in Aluminium Based Hybrid Metal Matrix Composites: Experimental and Machine Learning Approach	Sharath BN, Karthik S, Madhu P, Madhu KS, Pradeep DG	Mechanical	Journal of Bio-and Tribo-Corrosion	2023	9(4):70	https://doi.org/10.1007/s40735-023-00793-2	Scopus	Q2
61.	Drilling characteristics and properties analysis of fiber reinforced polymer composites: A comprehensive review	Jagadeesh P, Rangappa SM, Suyambulingam I, Siengchin S, Madhu P, Binoj JS, Gorbatyuk S, Khan A, Doddamani M, Fiore V, Cuadrado MM	Mechanical	Heliyon	2023	9(3)	10.1016/j.heliyon.2023.e14428	SCIE	Q1
62.	Study of treatment effect on the Cocos Nucifera lignocellulosic fibers as alternative for polymer composites	Bharath KN, Madhu P, Mavinkere Rangappa S, Basavarajappa S, Siengchin S, Khan A, Gorbatyuk SM	Mechanical	Journal of Natural Fibers	2023	20(1):2134257	https://doi.org/10.1080/15440478.2022.2134257	SCIE	Q2
63.	A novel study on the development of sisal-jute fiber epoxy filler,Äìbased composites for brake pad application	Manjulaiah H, Dhanraj S, Basavegowda Y, Lamani LN, Madhu P, Rangappa SM, Siengchin S	Mechanical	Biomass Conversion and Biorefinery	2023	14(19): 23411-23423	https://doi.org/10.1007/s13399-023-04219-4	SCIE	Q2
64.	Biopolymer-based composites: an eco-friendly alternative from agricultural waste biomass	TG YG, Ballupete Nagaraju S, Madhu P, Verma A, Rangappa SM, Siengchin S	Mechanical	Journal of Composites Science	2023	7(6):242	https://doi.org/10.3390/jcs7060242	Scopus	Q2
65.	Mechanical characterization of B4C-Gr Al2618 based composites synthesized by stir casting method	Nagaraju SB, Somashekara MK, Govindaswamy PD, Madhu P, Girijashankar PB, Sathyanarayana K	Mechanical	Applied Science and Engineering Progress	2023	6(3):6579	https://doi.org/10.14416/j.asep.2022.12.005	Scopus	Q2
66.	Effects of tertiary ceramic additives on the micro hardness and wear characteristics of Al2618+ Si3N4-B4C-Gr hybrid composites for automotive applications	Sharath BN, Madhu KS, Pradeep DG, Madhu P, Premkumar BG, Karthik S	Mechanical	Journal of Alloys and Metallurgical Systems	2023	########	https://doi.org/10.1016/j.jalmes.2023.100014	Scopus	-
67.	Effect of sugarcane bagasse and alumina reinforcements on physical, mechanical, and thermal characteristics of epoxy composites using artificial neural networks and response surface methodology	Arpitha GR, Mohit H, Madhu P, Verma A	Mechanical	Biomass Conversion and Biorefinery	2023	14(11): 12539-12557	https://doi.org/10.1007/s13399-023-03886-7	SCIE	Q2
68.	Experimental and artificial neural network-based slurry erosion behavior evaluation of cast iron	Karthik S, Sharath BN, Madhu P, Madhu KS, Prem Kumar BG, Verma A	Mechanical	International Journal on Interactive Design and Manufacturing (IJIDeM)	2023	18(9): 6739-6749	https://doi.org/10.1007/s12008-023-01618-9	Scopus	Q2
69.	A review on the fabrication and mechanical characterization of fibrous composites for engineering applications	HS Ashrith, TP Jeevan, J Xu	Mechanical	Journal of Composites Science	2023	7 (6), 252	https://doi.org/10.3390/jcs7060252	SCI	Q2
70.	PLC Controlled Assembly Automation for Spot Welding Work Station	CV Dhanalakshmi, BS Shivashankara	Mechanical	Journal of Mines, Metals and Fuels	2023	Vol 71, Issue 11, p2368	https://doi.org/10.18311/jmmf/2023/36267	Scopus	Q4
71.	Exploring the influence of safranin dye on optical, Thermal and dielectric properties of TGA crystal for SSDL applications	G. Chaithra P. R. Deepthi, Wajeeha Sultana, Malathi Challa, Anu Sukhdev, P. Mohan Kumar, B. C. Hemaraju, and J. Shanthi	Physics	Journal of Materials Science: Materials in Electronics	2023	34(1), 29	https://doi.org/10.1007/s10854-022-09466-1	SCI/WOS	Q2

72.	Inverse magnetocaloric effect and negative magnetoresistance in Ni50Mn30-xFexSn20-ySby (1 ≤ x ≤ 4 and 2 ≤ y ≤ 8) alloys	S. Sachin, A. A. Prasanna, C. Ningappa	Physics	Journal of Materials Research	2023	Volume 39, pages 480–488, (2024)	https://link.springer.com/article/10.1557/s43578-023-01243-y	Scopus /WOS	Q2
73.	Superparamagnetic and spin glass characteristics with Griffiths phase in Ni50Mn30−xFexSn20−ySby (1 ≤ x ≤ 4and 2 ≤ y ≤ 8) Heusler alloys,	A. A. Prasanna , S. Sachin, C. Ningappa	Physics	Journal of Materials Research	2023	Volume 38, pages 3741–3749, (2023)	https://link.springer.com/article/10.1557/s43578-023-01096-5	Scopus /WOS	Q2
74.	Near Room Temperature Martensitic transition in Ductile Ni50Mn30-xFexSn20-ySby (1≤x≤4 and 2≤y≤8) Heusler alloys	A. A. Prasanna , S. Sachin, C. Ningappa	Physics	Journal of Materials Research	2023	Volume 38, pages 2264–2273, (2023)	https://link.springer.com/article/10.1557/s43578-023-00963-5	Scopus /WOS	Q2
75.	Martensitic Transformation and Magnetic Properties of Ni-Mn Quinary Heusler Alloy,	Sandeep Nambiar S., Murthy B. R. N., Sathyashankara Sharma and A. A. Prasanna,	Physics	Journal of Composite Science,	2023	2023, 7(1), 1	https://www.mdpi.com/2504-477X/7/1/1	Scopus /SCI/ WOS	Q2
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1.	"Design, synthesis and docking studies of new molecular hybrids bearing benzimidazole and thiazolidine-2, 4-dione as potential antitubercular agents."	Raghu, M. S., Amar Yasser Jassim, CB Pradeep Kumar, K. Yogesh Kumar, M. K. Prashanth, Fahd Alharethy, and Byong-Hun Jeon.	Chemistry	Journal of the Indian Chemical Society	2024	101, no. 10 (2024): 101346.	https://doi.org/10.1016/j.jics.2024.101346	SCI	Q2
2.	"Boosting light-driven hydrogen evolution through cerium vanadate/cerium sulphide type–II heterostructure."	Kumar, K. Yogesh, M. K. Prashanth, L. Parashuram, H. Shanavaz, CB Pradeep Kumar, Fahd Alharethy, Byong-Hun Jeon, K. K. Prashanth, and M. S. Raghu.	Chemistry	Applied Catalysis O: Open	2024	192 (2024): 206965.	https://doi.org/10.1016/j.apcato.2024.206965	SCI	Q2
3.	"Synthesis, biological evaluation and molecular docking study of pyrimidine linked thiazolidinedione derivatives as potential antimicrobial and antitubercular agents."	Raghu, M. S., CB Pradeep Kumar, K. Yogesh Kumar, M. K. Prashanth, Fahd Alharethy, and Byong-Hun Jeon.	Chemistry	Bioorganic & Medicinal Chemistry Letters	2024	103 (2024): 129707.	https://doi.org/10.1016/j.bmcl.2024.129707	SCI	Q2
4.	"Fabrication of raw and chemically treated biodegradable Luffa aegyptica fruit fibre-based hybrid epoxy composite: a mechanical and morphological investigation."	Sharath, B. N., T. G. Yashas Gowda, P. Madhu, C. B. Pradeep Kumar, Naman Jain, Akarsh Verma, M. R. Sanjay, and Suchart Siengchin.	Chemistry	Biomass Conversion and Biorefinery	2024	(2024): 1-14.	https://doi.org/10.1007/s13399-024-05570-w	SCI	Q2
5.	"Facile synthesis of limeonia acidissima shell derived carbon-vanadium pentoxide nanocomposite for sensitive detection of carbofuran."	Prashanth, M. K., H. Shanavaz, K. Yogesh Kumar, VS Anusuya Devi, Fahd Alharethy, CB Pradeep Kumar, K. K. Prashanth, Byong-Hun Jeon, and M. S. Raghu.	Chemistry	Results in Chemistry	2024	7 (2024): 101401.	https://doi.org/10.1016/j.rechem.2024.101401	SCI	Q2
6.	Prediction of Unconfined Compressive Strength of Expansive Soil Amended with Bagasse Ash and Lime Using Artificial Neural Network	Dr. A J Krishnaiah	Civil Engineering	Journal of Soft Computing in Civil Engineering	2024	Volume 8, Issue 1 & Pages 1-160	https://doi.org/10.22115/scce.2023.364221.1536	Scopus	Q1
7.	Effect of partial replacement of coarse aggregates by wind turbine blade waste- Resin aggregates in concrete	Dakshayini R S	Civil Engineering	ZKG International Journal	2024	Vol 9	zkginternational.com/archive/volume9/Effect-of-Partial-Replacement-of-Coarse-Aggregates-by-Wind-Turbine-Blade-Waste-Resin-Aggregates-in-Concrete.pdf	WOS	Q4
8.	Shrinkage and Strength Characteristics of Expansive Soil Amended with Bagasse Ash and Lime	Dr. A J Krishnaiah	Civil Engineering	Revista Ingenieria de Construccion	2024	Volume 38, Issue 3	https://doi.org/10.7764/RIC.00082.21	Scopus	Q4

9.	Sustainable Energy Solutions: Bio-diesel Blends from Bitter wood Oil for Engine Efficiency and Emission Reduction	Kishor Kumar S, Brunda B N, Krishnaswaroop C D	Civil Engineering	Tuijin Jishu/Journal of Propulsion Technology	2024	Vol. 45 No. 03	https://doi.org/10.52783/tjjpt.v45.i03.8001	Scopus	Q3
10.	An Energy-Efficient and Secure WSN Routing Protocol Using Bayesian Networks and Elitist Genetic algorithms	Abhilasha P. Kumar , Sunitha R , Chaithra M , Shashank Dhananjaya , Kavyasri M N , Nandini G	CSE	Journal Européen des Systèmes Automatisés	2024	Volume: 57 page no:1547-1555	https://doi.org/10.18280/jesa.570601	SCI	Q4
11.	A robust framework for Alzheimer's disease detection and staging: incorporating multi-feature integration, MRMR feature selection, and Random Forest classification	Ravikiran HK, Deepak R,·Deepak H A, Prapulla Kumar M S, Sharath S, Yogeesh G H	CSE	Multimedia Tools and Applications , Springer	2024		https://doi.org/10.1007/s11042-024-19875-5	SCI	Q1
12.	An Exploration of Emotion Recognition using Deep Learning across Multiple Modalities: Spoken Language, Written Text, and Facial Expressions	Dhruva M.S, Sunitha R and Chandrika J	CSE	Grenze International Journal of Engineering and Technology	2024	Vol. 10, Issue: 2, pp. 5786-5792	Grenze ID: 01.GIJET.10.2.700	Crossref	NA (twice Yearly)
13.	A Convolution Neural Network with Skip Connections (CNNSC) approach for detecting micronutrients boron and iron deficiency in banana leaves	Sunitha, P, Uma, B, Geetha Kiran, Channakeshava S and Suresh Babu C S	CSE	Journal of Umm Al-Qura University for Engineering and Architecture	2024	Vol. 15, pp. 467-484	10.34740/KAGGLE/DSV/2175623	Springer Nature (Scopus)	NA
14.	A Review: An Efficient and Reliable Secure Routing Mechanism with the Prevention of Attacks in Mobile Ad-Hoc Network (MANET)	Ramesh B, Prasanna K S	CSE	Wireless Personal Communications	2024	Vol. 133, pp.2541-2580	https://doi.org/10.1007/s11277-024-10888-9	SCI	Q2
15.	A Machine Learning based Approach for Crop Price Prediction	Ramesh B, H. L. Gururaj	CSE	Journal of Circuits, Systems and Computers	2024	Vol. 33, No. 03, 2450054	https://doi.org/10.1142/S0218126624500543	SCI	Q3
16.	Effective Feature Extraction Using Residual Attention and Local Context Aware Classifier for Crop Yield Prediction	Vinay Kumar V N, Ananda Babu J, Balaji Prabhu B V	CSE(AI&ML)	International Journal of Advanced Computer Science and Applications	2024	Vol 15, No. 7	10.14569/IJACSA.2024.0150774	SCI	Q3
17.	PoseWatch: Advancing Real Time Human Pose Tracking and Juxtapositoin with Deep Learning	Tajamul Ashraf, Balaji Prabhu B V, Omkar S N	CSE(AI&ML)	Computer Vision and Image Processing	2024	pp 13-24	10.1007/978-3-031-58181-6_2	SCOPUS	
18.	ARIA: Augmented Reality and Artificial Intelligence enabled mobile application for Yield and grade prediction of tomato crops	Balaji Prabhu B V, Shashank R, Shreyas B, Omkar Subbaram Jois Narsipura	CSE(AI&ML)	Procedia Computer Science	2024		10.1016/j.procs.2024.04.254	SCOPUS	Q3
19.	Cervical Cancer Diagnosis Using Photonic Crystal Based Bio Sensor	Meghashree B.S	E&C	IJARESM	2024	Volume 12 Issue 5	https://www.ijaresm.com/cervical-cancer-diagnosis-using-photonic-crystal-based-bio-sensor	SCI	Q3
20.	Cervical Cancer Diagnosis Using Photonic Crystal Based Bio Sensor	Meghashree B.S	E&C	IJARESM	2024	Volume 12 Issue 5	https://www.ijaresm.com/cervical-cancer-diagnosis-using-photonic-crystal-based-bio-sensor	SCI	Q3

21.	Novel method to determine bedrock from a single sensor based seismic reflection signal using Haar wavelet transform	N E Ramesh	E&I	Discover Geoscience	2024	(2024) 2:61	DOI:10.1007/s44288-024-00062-w	SCI	Q2
22.	A Convolution Neural Networkwith Skip Connected (CNNSC) approach for Detecting Micronutrients Boron and Iron deficiency in banana Leaves	Suresh Babu C S	E&I	Results in Engineering, Springer	2024	15, 467–485 (2024)	https://doi.org/10.1007/s43995-024-00069-x	SCI	Q1
23.	A Novel method for Delineating Thick and Thin Sub Surface layers of the Earth using Wavelet Local Maxima Lines	N E Ramesh	E&I	Research Square	2024	Vol 1.	https://doi.org/10.21203/rs.3.rs-3887098/v1		
24.	Novel method to determine bedrock from a single sensor based seismic reflection signal using Haar wavelet transform	N E Ramesh	E&I	Discover Geoscience	2024	(2024) 2:61	DOI:10.1007/s44288-024-00062-w	SCI	Q2
25.	A Convolution Neural Networkwith Skip Connected (CNNSC) approach for Detecting Micronutrients Boron and Iron deficiency in banana Leaves	Suresh Babu C S	E&I	Results in Engineering, Springer	2024	15, 467–485 (2024)	https://doi.org/10.1007/s43995-024-00069-x	SCI	Q1
26.	A high sensitive integrated optic serially coupled racetrack ring resonator based pressure sensor	Venkateswara Rao Kolli, Rishitej Chaparala, Sreenivasulu Tupakula	ECE	Optical Materials	2024	Volume 149,	ttps://doi.org/10.1016/j.optmat.2024.115018		
27.	A novel approach to solve RSA problem in the spectrum sliced elastic optical networks	C. L. Triveni, M. R. Tejaswini, Indira Bahaddur,Venkateswara Rao Kolli	ECE	Journal of Optics	2024		https://doi.org/10.1007/s12596-024-01950-7		
28.	Enhanced biosensing with rhombic ring resonator in 2D photonic crystals for proteinuria detection	Yashaswini P R, Venkateswara Rao Kolli, Geetha L, Gautam Narayan Nirala, Srikanth P. C	ECE	Optik	2024		https://doi.org/10.1016/j.ijleo.2024.172041	Scopus	Q3
29.	Integrated Optic Microring Resonator for Various Sensing Applications: Design and Analysis	Rishitej Chaparala, Venkateswara Rao Kolli, Srinivas Talabattula, Sreenivasulu Tupakula.	ECE	Journal of Optics	2024		https://doi.org/10.1007/s12596-024-02177-2	Scopus	Q3
30.	Multilayer coating-assisted gold-encapsulated tilted fiber Bragg grating biosensor design	Prathap, P.B., Saara, K.	ECE	Journal of Optics	2024	NA	https://doi.org/10.1007/s12596-024-01711-6	SCOPUS	Q3
31.	Fiber Bragg Grating as a Temperature sensor for Human Body Temperature Monitoring	Prathap, P.B., Saara, K.	ECE	Journal of Optics	2024	NA	https://doi.org/10.1007/s12596-024-01894-y	SCOPUS	Q3
32.	SiO 2 -Au-GO based 2D Photonic Crystal Biosensor for Protein Analysis and Immunological Evaluation	Prathap, P.B., Prakruthi H L, Saara, K	ECE	Journal of Optics	2024	NA	https://doi.org/10.1007/s12596-024-01993-w	SCOPUS	Q3
33.	A unified metering system deployed for water and energy monitoring in smart city	N Sushma, HN Suresh, J Mohana Lakshmi, Parvathaneni Naga Srinivasu, Akash Kumar Bhoi, Paolo Barsocchi	ECE	IEEEAccess	2024	VOLUME 11	https://doi.org/10.1109/ACCESS.2023.3299825	SCI	Q1
34.	Secure and Efficient PAPR Reduction in OFDM Using PTS Based Nonlinear Variation Convergence Factor with Spotted Hyena Optimization.	Kenkere Basavaraju, Santhosh Kumar, Sushma Nagesh, Deepika Kedigehalli Chandrashekhar, Mohana Lakshmi Jayaramu, Indira Bahaddur, and Murthi Mahadeva Naik Ganganaik.	ECE	International journal of intelligent Engineering Systems	2024	Vol.17, No.6, 2024	https://doi.org/10.22266/ijies2024.1231.99	Scopus	Q2
35.	Design and Implementation of Smart Blind Stick for Obstacle Detection and Navigation System	Raghu N., Yogesh Kumaran S., Rajeshwari D., Ganesh Srinivasa Shett, Hemanth Kumar B. M., Anil Kumar D. B. Niranjan Kannanugo	ECE	Journal of Electrical systems	2024	Vol 20, No. 2s	https://doi.org/10.52783/jes.1770	Scopus	Q4
36.	Experimental investigation on wireless integrated smart system for energy and water resource management in Indian smart cities	Sushma N., Suresh H.N., Mohana Lakshmi J., Santhosh Kumar K.B.	ECE	Results in Engineering - Elsevier	2024	Volume 23	https://doi.org/10.1016/j.rineng.2024.102687	SCI	Q1
37.	Multiple-Input Multiple Output-Orthogonal Frequency Division Multiplexing System using Improved Wild Horse Optimization for Channel Estimation	Santhosh Kumar Kenkere Basavaraju1* Sushma Nagesh1 Murthi Mahadeva Naik Ganganaik1 Triveni Chitralingappa Lingappa1 Sreenivasulu Tupalula2 Venkateswara Rao Kolli1 Indira Bahaddur1	ECE	International journal of intelligent Engineering Systems	2024	Vol.17, No.5, 2024	10.22266/ijies2024.1031.60	Scopus	Q2
38.	SiO2-Au-GO Based 2D Photonic Crystal Biosensor For Protein Analysis And iImmunological Evaluation	Prathap.P.B, Prakruthi H.L, Saara.K	ECE	Journal of Optics	2024		https://link.springer.com/article/10.1007/s12596-024-01993-w	Scopus	Q3

39.	Integrated Optical ring resonator based comb filter in Silicon – on – insulator with through – to – add port feedback path showing larger free spectral range	Animesh Srivastava and Gaurav Kumar Bharti Parimal Sah, Dheeraj Kumar, Yashaswini P. R	ECE	Journal of NanoPhotonics	2024	18, 026005	https://doi.org/10.1117/1.JNP.18.026005	Web of Science	Q3
40.	Cardiovascular disease detection from cardiac arrhythmia ECG signals using artificial intelligence models with hyperparameters tuning methodologies	Gowri Shankar Manivannan, Rajanna S	EEE	Heliyon	2024	Volume 10, Issue 17, 15 September 2024, e36751	https://doi.org/10.1016/j.heliyon.2024.e36751	Scopus /SCI/ WOS	Q1
41.	Detection of Alcoholic EEG signal using LASSO regression with metaheuristics algorithms based LSTM and enhanced artificial neural network classification algorithms	Gowri Shankar Manivannan	EEE	Scientific Reports	2024	14, 21437 (2024)	https://doi.org/10.1038/s41598-024-72926-7	Scopus /SCI/ WOS	Q1
42.	Experimental investigation on wireless integrated smart system for energy and water resource management in Indian smart cities	J. Mohana Lakshmi	EEE	Results in Engineering	2024	Volume 23, September 2024, 102687	https://doi.org/10.1016/j.rineng.2024.102687	Scopus /SCI/ WOS	Q2
43.	Performance Analysis of Local Binary Pattern Features with Eagle Optimization Algorithm based CNN Classifier for Breast Cancer Detection from Ultrasound Images	Gowri Shankar Manivannan, Rajanna Siddaiah, Chethana K R, Asra Firdose, Bharath C and Adithya N	EEE	IEEE 2024 International Conference on Computing and Intelligent Reality Technologies (ICCIRT)	2024		10.1109/ICCIRT59484.2024.10921764	Scopus	
44.	Performance Analysis of LSTM Classification Model from GLCM with Lion Optimization Algorithm Features for Melanoma Identification from Skin Cancer Images	Gowri Shankar Manivannan, Kaveri K B, Sinchana A R, Shifa Fathima, Sonika T M and Priya D P	EEE	IEEE 2024 International Conference on Computing and Intelligent Reality Technologies (ICCIRT)	2024		10.1109/ICCIRT59484.2024.10921952	Scopus	
45.	Performance Analysis of Rabbit Algorithm with Gaussian Process Classifier for Detection of Adenocarcinoma from Lung Cancer Histopathological Images	Gowri Shankar M, M. Sudharshan	EEE	IEEE 2024 International Conference on Computing and Intelligent Reality Technologies (ICCIRT)	2024		10.1109/ICCIRT59484.2024.10922062	Scopus	
46.	Performance Analysis in Blast Induced Ground Vibrations with Advanced Machine Learning Algorithm Techniques	Gowri Shankar Manivannan, Rajanna S	EEE	IEEE- 5th International Conference on Communication, Computing & Industry 6.0 (C2I6)	2024		10.1109/C2I663243.2024.10895049	Scopus	
47.	Simulation Based Hybrid Solar and Wind Energy System for Standalone Application	Poornima H G; Bindushree S N; Raksha A; Lateshkumar S N; Rajanna S.; Ramesh M	EEE	2024 IEEE Students Conference on	2024		10.1109/SCES61914.2024.10652580	Scopus	

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49.	Brain and voice controlled wheelchair	LAKSHMIKANTHA H. N DEVIKA R. H DARSHAN J. D. JALOKA S. M., S. P KRUTHI	EEE	International Journal of Industrial Electronics and Electrical Engineering	2024	Volume-12 Issue-5, May.-2024, http://ijieee.org.in		Scopus	
50.	Advanced Control Techniques for Wind Turbine Optimization: Challenges and Future Directions	Yogitha S K	EEE	International open access journal	2024	ISSN : 0044-0477	https://ymerdigital.com/uploads/YMER230807.pdf	Scopus	
51.	Diabetes Prediction Using Parametric Swish-based Recurrent Neural Network	Dr. Anand Babu J	ISE	International Journal of Intelligent Engineering & Systems	2024	-	https://inass.org/wp-content/uploads/2023/10/2024043009-2.pdf	Scopus	Q1
52.	Video Steganography Using CNN and Temporal Residual Modelling	Dr. Anand Babu J	ISE	Computer Integrated Manufacturing Systems	2024	-	https://doi.org/10.1016/j.cims.2024.02.003	Scopus	Q3
53.	Effective Feature Extraction for Crop Yield Prediction	Dr. Anand Babu J	ISE	International Journal of Advanced Computer Science & Applications	2024	-	https://thesai.org/Publications/ViewPaper?Volume=15&Issue=7&Code=ijacsa&SerialNo=39	Scopus	Q2
54.	Design and developement of VCU for REEV	Vanitha A	ISE	International Journal of All Research and Science Method	2024	Volume 12, Issue 5,	https://www.ijaresm.com/uploaded_files/document_file/Vanitha_AEMpA.pdf		
55.	A Metaheuristic-Based Deep Learning Classifier for Effective Dengue Disease Prediction in IoT-Fog Systems	Dr. Anand Babu J	ISE	International Journal of Intelligent Systems	2024			Scopus / SCI	Q1
56.	Graph Laplacian-Based Sparse Coding for Secure Image Restoration and Representation in IoT	Dr. Anand Babu J	ISE	International Journal of Modeling, Simulation, and	2024	Volume 15	-	Scopus	Q2

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58.	Dual Strategy-Based Improved Swarm Intelligence and Stacked LSTM With Residual Connection for Land Use Land Cover Classification	Dr. Ananda Babu J	ISE	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2024	-	-	Scopus / SCI	Q1
59.	Spiralizer Strategy with Wolf Pack Algorithm and Temporal Convolution Network – Gated Recurrent Unit for Coconut Crop Yield Prediction	Dr. Ananda Babu J	ISE	SN Computer Science	2024	-	https://ouci.dntb.gov.ua/en/works/ldev1zD9/?utm_source	Scopus	Q2
60.	The Degree Energy of a Graph	Nagalakshmi, A.R.; Shrikanth, A.S.; Kalavathi, G.K.; Sreekeshava, K.S.	Mathematics	MDPI - Mathematics	2024	12, 2699	https://doi.org/10.3390/math12172699	Scopus /SCI/ WOS	Q1
61.	The cordial Energy of some Graphs	Nagalakshmi, A.R.; Shrikanth, A.S.; Kalavathi, G.K,	Mathematics	Proyecciones (Antofagasta, On line)	2024	Vol. 43, No 6, pp. 1455-1471,	https://doi.org/10.22199	scopus	Q3
62.	Thermal transport of magnetized nanoliquid flow over lubricated surface with activation energy and heat source/sink	Ramesh G.K, Madhukesh J.K, Pradeep N Hiremath, Roopa G. S	Mathematics	Numerical Heat Transfer, Part B: Fundamentals	2024	Vol. 85(7), Pp. 922-939	https://doi.org/10.1080/10407790.2023.2257880	Scopus /SCI/ WOS	Q2
63.	Influence of pollutant dispersion on nanofluid flowing across a stretched disc-cone device	Madhukesh JK, Ramesh GK, Fatima HN, Roopa GS, Shehzad SA.	Mathematics	Journal of Molecular Liquids	2024	Vol. 411, 125710	https://doi.org/10.1016/j.molliq.2024.125710	Scopus /SCI/ WOS	Q1
64.	Fabrication of raw and chemically treated biodegradable Luffa aegyptica fruit fibre-based hybrid epoxy composite: a mechanical and morphological investigation	Sharath BN, Yashas Gowda TG, Madhu P, Pradeep Kumar CB, Jain N, Verma A, Sanjay MR, Siengchin S	Mechanical	Biomass Conversion and Biorefinery	2024	########	https://doi.org/10.1007/s13399-024-05570-w	SCIE	Q2
65.	Advancing the Performance of Ceramic-Reinforced Aluminum Hybrid Composites: A Comprehensive Review and Future Perspectives	Nagaraju SB, Madhu P, Somashekara MK, Girijappa TG, Govindaswamy PD, Sathyanarayana K	Mechanical	Applied Science and Engineering Progress	2024	17(2):7034 7034	https://doi.org/10.14416/j.asep.2023.10.001	Scopus	Q2
66.	‚ÄúSustainable Energy Solutions: Biodiesel Blends from Bitterwood Oil for Engine Efficiency and Emission Reduction‚Äù	Kishor Kumar S1, Brunda B N2, Krishnaswaroop C D3, Yashwanth Kumar M K4, Pradeep Kumar R S5, M S Prathap6	Mechanical	Tuijin Jishu/Journal of Propulsion Technology	2024	ISSN: 1001-4055	https://doi.org/10.52783/tjjpt.v45.i03.8001	Scopus	Q4
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73.	Analysis of friction and wear performance of eco-friendly basalt filler reinforced polylactic acid composite using the Taguchi approach	Jagadeesh P, Madhu P, Suyambulingam I, Gupta MK, Mavinkere Rangappa S, Siengchin S	Mechanical	Journal of Thermoplastic Composite Materials	2024	37(7):2479-2504	https://doi.org/10.1177/08927057231211231	SCIE	Q2
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75.	Enhancing Wear Resistance, Mechanical Properties of Composite Materials through Sisal and Glass Fiber Reinforcement with Epoxy Resin and Graphite Filler	Devendrappa SK, Madhu P, Sharath BN	Mechanical	Journal of the Indian Chemical Society	2024	101(10): 101349	https://doi.org/10.1016/j.jics.2024.101349	SCIE	Q3
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78.	Wear behaviour of aluminium based hybrid composites processed by equal channel angular pressing	Sharath BN, Madhu P, Verma A	Mechanical	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	2024	238 (9): 1079-1090	https://doi.org/10.1177/13506501241247616	SCIE	Q2
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81.	Characterizing the effects of SiC and Al2O3 on the mechanical properties of Al6082 hybrid metal matrix composites: An experimental and neural network approach	AA Masood, A Ali, P Madhu, TG Yashas Gowda, TP Jeevan, BN Sharath	Mechanical	University of Maribor, Faculty of Mechanical Engineering, Production Engineering Institute	2024	19 (2)	https://doi.org/10.14743/apem2024.2.507	Scopus	Q2
82.	Recent Reviews on Hybrid Nano Reinforcements for Improving Mechanical Properties of Polymers for sustainable applications	B Seema, L Girisha, Ramaswamy Subbiah, TP Jeevan	Mechanical	E3S Web of Conferences	2024		https://doi.org/10.1051/e3sconf/202455201043	Scopus	
83.	3D printed graphene reinforced composites: Opportunities and challenges	R Banupriya, TP Jeevan, HV Divya, TG Yashas Gowda, GA Manjunath	Mechanical	Polymer Composites	2024		https://doi.org/10.1002/pc.29068	SCI	Q1
84.	Gamma radiation-induced degradation of mechanical properties in Carbon/Kevlar hybrid epoxy composites for aerospace applications	B. N Sharath, TG Yashas Gowda, B C Hemaraju, and P. Madhu	Physics	Journal of Polymer Research	2024	31, no. 12 1-19.	https://doi.org/10.1007/s10965-024-04210-1	Scopus	Q2
85.	Study on Structural, Morphological, Elastic and Electrical Properties of ZnO nanoparticles for Electronic Device Applications	Vinayakprasanna N Hegde, V V Manju, T M Pradeep and B C Hemaraju	Physics	Journal of Science: Advanced Materials and Devices	2024	9(3), 100733	https://doi.org/10.1016/j.jsamd.2024.100733	Scopus	Q1
86.	Synthesis and characterization of Ga2O3 nanoparticles for electronic device applications	Manju, V. V., Vinayakprasanna N. Hegde, T. M. Pradeep, B. C. Hemaraju, and R. Somashekar	Physics	Inorganic Chemistry Communications	2024	165, 112562	https://doi.org/10.1016/j.inoche.2024.112562	Scopus	Q1
87.	Crystal Growth and Characterization of Glycine Chlorzoxazone Nonlinear Optical Crystal for Energy Storage Capacitor Applications	Shankara S R, K M Eshwarappa, Vinayakprasanna N Hegde, Manju V V, Deeksha K B and B C Hemaraju	Physics	Chemical Physics Impact	2024	8, 100556	https://doi.org/10.1016/j.chphi.2024.100556	Scopus	Q2
88.	Frequency and temperature dependent dielectric properties of CuO nanoparticles	Vinayakprasanna N Hegde, V V Manju, B C Hemaraju	Physics	Chemical Physics Impact	2024	8, 100474	https://doi.org/10.1016/j.chphi.2024.100474	Scopus	Q2
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91.	Multiple-Input Multiple Output-Orthogonal Frequency Division Multiplexing System using Improved Wild Horse Optimization for Channel Estimation.	Santhosh Kumar K B, Murthi Mahadeva Naik, Sushma Nagesh,, Triveni Chitralingappa, Sreenivasulu Tupalula, Venkateswara Rao Kolli, Indira Bahaddur	ECE	International Journal of Intelligent Engineering and Systems	2024		10.22266/ijies2024.1031.60	Scopus	Q2
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1.	Corrosion in Steel Structures: A Review	Dr. Manu K C, C. Madhushree, M. S. Chandini, Nudi Shree, Siri Hemanth	CIVIL ENGINEERING	Journal of Mines, Metals & Fuels	2025	Volume 73, Issue 1 & Page 189-198	DOI: 10.18311/jmmf/2025/46985	Scopus	Q4
2.	Mine Tailing as a Resource for Expansive Soil Stabilization: A Sustainable Perspective in Mining and Mineral Engineering	Dr. A J Krishnaiah & Supriya M J	CIVIL ENGINEERING	Journal of Mines, Metals & Fuels	2025	Volume 73, Issue 2 & Page 243	https://doi.org/10.18311/jmmf/2025/47632	Scopus	Q4
3.	A Novel Hybrid Dynamic Harris Hawks Optimized Gated Recurrent Unit Approach for Breast Cancer Prediction	C M Naveen Kumar	CS&BS	International Journal of Computational Intelligence Systems	2025	18, no. 1 : 1-16.	https://doi.org/10.1007/s44196-024-00712-4	SCI	Q2
4.	A Novel Hybrid Dynamic Harris Hawks Optimized Gated Recurrent Unit Approach for Breast Cancer Prediction	C M Naveen Kumar	CS&BS	International Journal of Computational Intelligence Systems	2025	18, no. 1 : 1-16.	https://doi.org/10.1007/s44196-024-00712-4	SCI	Q2
5.	An Advanced AI Framework for Mental Health Diagnostics Using Bidirectional Encoder Representations from Transformers with Gated Recurrent Units and Convolutional Neural Networks	G.Pushpa, M. Chaitra, Lakshmi P. Kolur, Shashank Dhananjaya, **Kavyasri M. N.**, R. Sunitha,Abhilasha P. Kumar	CSE	Ingénierie des Systèmes d'Information	2025	Volume:30 pape number:213-220	https://doi.org/10.18280/isi.300118	SCI	Q4
6.	Dual Strategy Based Improved Swarm Intelligence and Stacked LSTM With Residual Connection for Land Use Land Cover Classification	R. M. Lingaraju and B. P. B. Veeranna V. V. Nagaraju, A. B. Jayachandra, A. Stateczny, Swathi. H. Y	CSE(AI&ML)	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	2025	18 and pp. 4188-4198	10.1109/JSTARS.2024.3522197	Scopus /SCI	Q1
7.	Early Detection of Cancerous Cells using One-Dimensional Superconductor Photonic Crystal Biosensor	CN Gireesh Babu, KT Chandrashekhara, Regina Mathias, HL Prakruthi, KS Adarsha, Ranjith B Gowda	ECE	NANO	2025		https://doi.org/10.1142/S1793292025500626	SCI	Q3
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9.	A study of Impact toughness behaviour and High Cycle Fatigue properties of Al-Li 8090 alloy processed by Cryorolling and post-deformation annealing	Subham Thapliyal , Amit Joshi, Saurabh Gairola, **Kalavathi G K**, Vasundhara M G, Muralidhara B, Yogesha K K	Mathematics	Metallography, Microstructure, and Analysis	2025		1. 10.1007/s13632-025-01184-4	Scopus /SCI/ WOS	Q2
10.	Thermal Analysis of MHD Tangent Hyperbolic Fluid Flow Through Microchannel	Surender Ontela, **NS Shashikumar**, Macha Madhu	Mathematics	International Journal of Applied and Computation	2025	11(2) and 30	https://doi.org/10.1007/s40819-025-01847-4	Scopus	Q2

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12.	Enhancing Mechanical and Tribological Properties of Hybrid Kenaf,ÄìCarbon Fiber Vinyl Ester Composites for Advanced Applications	V Mahesh Kumar, Puttegowda Madhu, Ballupete Nagaraju Sharath, Rudianto Raharjo, Femiana Gapsari	Mechanical	Journal of Materials Engineering and Performance	2025	----	https://doi.org/10.1007/s11665-025-10964-6	SCIE	Q2
13.	Investigations on the high-temperature wear behaviour of LM25 aluminium alloy/silicon carbide foam interpenetrating phase composites synthesized using gas pressure infiltration	Senthilkumar M, Satish VT, Bright RJ, Vasundhara MG et al	Mechanical	Surface Topography: Metrology and¬†Properties	2025	Online	10.1088/2051-672X/ada6e2	scopus /SCI/ WOs	Q2
14.	Artificial intelligence and machine learning in mechanical engineering: Current trends and future prospects	Madhu P, Nagaraju SB	Mechanical	Engineering Applications of Artificial Intelligence	2025	-----	https://doi.org/10.1016/j.engappai.2024.109910	SCIE	Q1
15.	Enhancing Mechanical and Tribological Properties of Hybrid Kenaf-Carbon Fiber Vinyl Ester Composites for Advanced Applications	V Mahesh Kumar, Puttegowda Madhu, Ballupete Nagaraju Sharath, Rudianto Raharjo, and Femiana Gapsari	Mechanical	Journal of Materials Engineering and Performance	2025	13:1-4	https://doi.org/10.1007/s11665-025-10964-6	SCI	Q2
16.	Investigation on Delamination of Carbon Fibre Reinforced Composite due to the Impact of Foreign Object	Vinod B, Arunkumar K N, Ganesha B B, Thammegowda C S, Jeevan T P	Mechanical	Journal of Aeronautics, Astronautics and Aviation	2025	57(2)	https://doi.org/10.6125/JoAAA.202503_57(2).03	Scopus	Q3
17.	Multi-Objective Optimization of Dry Turning of Inconel 718 Utilizing Grey Relational Analysis	Kishor K P, Anupama N K, Manjunath G A, Jeevan T P, Nikhil Rangaswamy	Mechanical	Journal of Aeronautics, Astronautics and Aviation	2025	57(2)	https://doi.org/10.6125/JoAAA.202503_57(2).02	Scopus	Q3
18.	Synergistic Effects of Wood Filler, Glass/Carbon Fibers on the Tribological Behavior of Polypropylene Hybrid Composites	HV Divya, TP Jeevan, TG Yashas Gowda, A Anand	Mechanical	Journal of Bio-and Tribo-Corrosion	2025	11(2)	https://doi.org/10.1007/s40735-025-00969-y	Scopus	Q2
19.	Eco Friendly Reinforcement: Enhancing Wear and Corrosion Resistance of Al7079 with Boron Nitride and Aloe Vera Powder	B. N. Sharath V. Mahesh Kumar, K. S. Madhu, Vinyas Mahesh	Mechanical	Journal of Bio- and Tribo-Corrosion	2025	11(2):32	https://doi.org/10.1007/s40735-025-00951-8	Scopus	Q2